

J. Leger, Geoffrey

Access DB# 106268

# SEARCH REQUEST FORM

Scientific and Technical Information Center

85

Requester's Full Name: Gwen Liang Examiner #: 79180 Date: 10-20-03  
Art Unit: 2172 Phone Number 305-3985 Serial Number: 04782, 178  
Mail Box and Bldg/Room Location: CPK II ABX Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

\*\*\*\*\*

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: High Availability Database System Using Live/Load Database  
Inventors (please provide full names): GORELIK, Alexander; BURDA, Leon

Earliest Priority Filing Date: 2/11/2000

\*For Sequence Searches Only\* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

Concept: (See attachment A)

Claim: 1 (focus on 1-3 & 1-5) (See Attachment B)

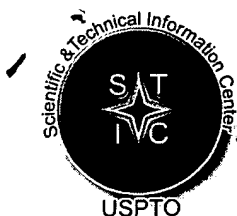
Best Available Copy

10-20-03 P02:57:1N

\* Assignee: ACTA Technology, Inc

## STAFF USE ONLY

	Type of Search	Vendors and cost where applicable
Searcher: <u>Geoffrey St. Leger</u>	NA Sequence (#) _____	STN _____
Searcher Phone #: <u>308-7500</u>	AA Sequence (#) _____	Dialog <input checked="" type="checkbox"/> _____
Searcher Location: <u>41330</u>	Structure (#) _____	Questel/Orbit _____
Date Searcher Picked Up: <u>10/24/3</u>	Bibliographic <input checked="" type="checkbox"/> _____	Dr.Link _____
Date Completed: <u>10/24/3</u>	Litigation _____	Lexis/Nexis _____
Searcher Prep & Review Time: <u>120</u>	Fulltext <input checked="" type="checkbox"/> _____	Sequence Systems _____
Clerical Prep Time: _____	Patent Family _____	WWW/Internet _____
Online Time: <u>270</u>	Other _____	Other (specify) _____



# STIC Search Report

## EIC 2100

STIC Database Tracking Number: 106268

TO: Gwen Liang  
Location: CPK2, 4B25  
Art Unit : 2172  
Friday, October 24, 2003

Case Serial Number: 09/782178

From: Geoffrey St. Leger  
Location: EIC 2100  
PK2-4B30  
Phone: 308-7800

[geoffrey.stleger@uspto.gov](mailto:geoffrey.stleger@uspto.gov)

### Search Notes

Dear Examiner Liang,

Attached please find the results of your search request for application 09/782178. I searched Dialog's foreign patent files, technical databases, product announcement files and general files.

Please let me know if you have any questions.

Regards,

Geoffrey St. Leger  
4B30/308-7800



# STIC Search Results Feedback Form

**EIC 2100**

Questions about the scope or the results of the search? Contact *the EIC searcher or contact:*

Anne Hendrickson, EIC 2100 Team Leader  
308-7831, CPK2-4B40

## Voluntary Results Feedback Form

➤ I am an examiner in Workgroup:  Example: 3730

➤ Relevant prior art **found**, search results used as follows:

- ☐ 102 rejection
- ☐ 103 rejection
- ☐ Cited as being of interest.
- ☐ Helped examiner better understand the invention.
- ☐ Helped examiner better understand the state of the art in their technology.

Types of relevant prior art found:

- ☐ Foreign Patent(s)
- ☐ Non-Patent Literature  
(journal articles, conference proceedings, new product announcements etc.)

➤ Relevant prior art **not found**:

- ☐ Results verified the lack of relevant prior art (helped determine patentability).
- ☐ Results were not useful in determining patentability or understanding the invention.

Comments:

Drop off or send completed forms to STIC/EIC2100 CPK2-4B40



File 8: Ei Compendex(R) 1970-2003/Oct W2  
(c) 2003 Elsevier Eng. Info. Inc.  
File 35: Dissertation Abs Online 1861-2003/Sep  
(c) 2003 ProQuest Info&Learning  
File 202: Info. Sci. & Tech. Abs. 1966-2003/Sep 16  
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File 65: Inside Conferences 1993-2003/Oct W3  
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File 2: INSPEC 1969-2003/Oct W2  
(c) 2003 Institution of Electrical Engineers  
File 233: Internet & Personal Comp. Abs. 1981-2003/Jul  
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File 94: JICST-EPlus 1985-2003/Oct W3  
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File 603: Newspaper Abstracts 1984-1988  
(c) 2001 ProQuest Info&Learning  
File 483: Newspaper Abs Daily 1986-2003/Oct 20  
(c) 2003 ProQuest Info&Learning  
File 6: NTIS 1964-2003/Oct W3  
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File 434: SciSearch(R) Cited Ref Sci 1974-1989/Dec  
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File 34: SciSearch(R) Cited Ref Sci 1990-2003/Oct W3  
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File 99: Wilson Appl. Sci & Tech Abs 1983-2003/Sep  
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File 95: TEME-Technology & Management 1989-2003/Oct W1  
(c) 2003 FIZ TECHNIK  
File 438: Library Lit. & Info. Science 1984-2003/Sep  
(c) 2003 The HW Wilson Co

Set	Items	Description
S1	4178430	DATABASE? ? OR DATA()BASE? ? OR REPOSITOR??? OR FILE? ? OR RECORD? ? OR DRIVE OR STORAGE OR VOLUME? ?
S2	52005	(FIRST? OR PRIMARY OR MAIN OR ACTIVE OR LIVE) (5W)S1
S3	63074	(SECOND? OR 2ND OR TWO) (5W)S1
S4	70	S2(5N)S3(5N) (COPY OR COPIE? ? OR DUPLICAT? OR REPLICA? OR - REPRODUC? OR SAME OR IDENTICAL? OR MIRROR? OR CLON???)
S5	104898	(QUERY??? OR QUERIE? ? OR SEARCH??? OR READ???) (7N)S1
S6	195417	(WRIT??? OR INSERT??? OR UPDAT? OR CHANG??? OR MODIF???? OR MODIFICATION? ? OR EDIT??? OR AMEND??? OR LOAD???) (7N)S1
S7	37148	S1(5N) (SWITCH??? OR TOGGL??? OR FLIP???? OR SHIFT??? OR EX-CHANG? OR SWAP???)
S8	0	S4 AND S5 AND S6 AND S7
S9	62442	S1(7N) (COPY OR COPIE? ? OR DUPLICAT? OR REPLICA? OR REPROD-UC? OR SAME OR IDENTICAL? OR MIRROR? OR CLON???)
S10	9	S9 AND S5 AND S6 AND S7
S11	3	S9 AND S2 AND S3 AND S7
S12	12	S10:S11
S13	11	RD (unique items)
S14	10	S13 NOT PY=2001:2003
S15	51	S2 AND S3 AND S7
S16	37	RD (unique items)
S17	28	S16 NOT (S14 OR PY=2001:2003)
S18	111	S5 AND S6 AND S7
S19	96	RD (unique items)
S20	76	S19 NOT (S14 OR S17 OR PY=2001:2003)
S21	323	AU=(GORELIK, A? OR GORELIK A? OR BURDA L? OR BURDA, L?)
S22	0	S7 AND S21

17/5/7 (Item 1 from file: 202)  
DIALOG(R)File 202:Info. Sci. & Tech. Abs.  
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2401105

**Electronic system for accessing graphical and textual information.**

Author(s): Burket, T G; Calo, S.B.; Kannan, K.; Soo, S.S.; et al.

Patent Number(s): US 4805134

Publication Date: Feb 14, 1989

Language: English

Document Type: Patent

Record Type: Abstract

Journal Announcement: 2400

A system for enabling users thereof to electronically access a wide range of information, and including a capability for interuser messaging and executing of transactions, comprising: a. terminal means for displaying graphical and textual information to a user; b. a first operational node connected to said terminal means and comprising: (1) **first database** means comprising page means for providing graphical and textual information, said page means comprising a plurality of pages, each page comprising a variable length electronic data structure comprising control information and displayable data, said control information comprising at least one exit path for directing the user from one page to another page; and (2) first application program means for exchanging messages and executing transactions on behalf of said user; and c. a **second** operational node comprising **second database** means and second application program means for respectively providing graphical and textual information, and exchanging messages and executing transaction on behalf of said user; and d. means for enabling said terminal means to access said graphical and textual information from said **first** and **second database** means and to **exchange** messages and execute transactions with said second operational node, through said first node means.

Descriptors: Access; Electronic information systems; Graphics; Information retrieval systems

Classification Codes and Description: 5.11 (Searching and Retrieval)

Main Heading: Information Processing and Control

17/5/8 (Item 2 from file: 202)  
DIALOG(R)File 202:Info. Sci. & Tech. Abs.  
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2300106

**Optical switch , especially for information storage and retrieval.**

Author(s): Haussuhl, S; Krasser, W.; Woike, T.

Patent Number(s): US 4713795

Publication Date: Dec 15, 1987

Language: English

Document Type: Patent

Record Type: Abstract

Journal Announcement: 2300

Optical **switch** capable of use for information **storage** , utilizing a medium capable of being converted from an original state to a metastable state by a radiative pumping by intensive light having a first wavelength (  $\lambda_1$  ) and capable of being returned to said original state by intensive light having a second wavelength (  $\lambda_2$  ), comprising a source of light of said **first** and **second** wavelengths, said **storage** medium, means for directing radiation of said first and second wavelengths for localized incidence on said medium and photodetector means for measuring radiation coming from said medium, said medium being a nitroprusside single crystal of the formula  $M_m ( Fe(CN)_5NO ) nH_2O$ , wherein M is a metal capable of forming a nitroprusside salt, m is a valence-determined number determined by the valence of the metal M and the -2 valence of the nitroprusside group (  $Fe(CN)_5NO$  ) and n is an integer in range 0, 1, 2, 3 ... 10, said first light wavelength being in the range between 400 and 530 nm, said second

light wavelength being in the range from 600 to 680 nm, and means being provided for cooling said single crystal at a temperature in the range between 140 degrees K. and 210 degrees K.

Descriptors: Information retrieval systems; Information storage; Optical recognition; Patents

Classification Codes and Description: 4.09 (Pattern and Character Recognition); 6.06 (Life Sciences and Biomedicine); 6.07 (Social Sciences and Humanities)

Main Heading: Information Recognition and Description; Information Systems and Applications

17/5/13 (Item 5 from file: 2)

DIALOG(R) File 2:INSPEC

(c) 2003 Institution of Electrical Engineers. All rts. reserv.

02224484 INSPEC Abstract Number: B84021601, C84016489

**Title: A switching control scheme based on pre-occupation using database**

Author(s): Mase, K.; Yamamoto, H.; Kajiwara, M.; Inoue, A.

Author Affiliation: Musashino Electrical Communication Lab., NTT, Musashino, Japan

Journal: Transactions of the Institute of Electronics and Communication Engineers of Japan, Part B vol.J66B, no.11 p.1386-93

Publication Date: Nov. 1983 Country of Publication: Japan

CODEN: DTGBBW ISSN: 0373-6105

Language: Japanese Document Type: Journal Paper (JP)

Treatment: Practical (P)

Abstract: The authors discuss two types of switching control schemes for telephone networks in which a local **switching** system accesses the **database** to obtain routing information prior to setting up a call. The **first** system proposed uses the **database** to refer busy/idle states of network resources. The **second** system uses the **database** to pre-occupy network resources. For the second system, it is shown that network service can be resumed by using a spare database with an algorithm for recovering database information. Network throughput, necessary signaling speed, database processing power and memory capacity are evaluated for each system. (7 Refs)

Subfile: B C

Descriptors: automatic telephone systems; electronic switching systems; telephone networks

Identifiers: database access; call setup; network throughput; network resources preoccupation; automatic telephone systems; electronic switching systems; computerised control; switching control scheme; database; telephone networks; local switching system; routing information; busy/idle states; signaling speed; database processing power; memory capacity

Class Codes: B6230B (Electronic telephone exchanges); C3370C (Telephony); C7410F (Communications)

17/5/15 (Item 7 from file: 2)

DIALOG(R) File 2:INSPEC

(c) 2003 Institution of Electrical Engineers. All rts. reserv.

00094935 INSPEC Abstract Number: C70002842

**Title: Digital log computer**

Inventor(s): Moore, T.M.; Watters, E.C.

Assignee(s): Secretary, US Navy

Patent Number: US 3436533 Issue Date: 690401

Application Date: 651129

Priority Appl. Number: US 510469

Country of Publication: USA

Language: English Document Type: Patent (PT)

Abstract: The computer comprises: an input digital register set for each digital word representative of a decimal number to be computed in a logarithm; first and second digital address **shift** registers; **first** and **second** log **storage** means; a low log store providing a digital number of low order factors representative of the lower order bits of a digital log

Series; a third digital shift register; a log accumulator coupled to storage means and to the third digital register to accumulate digital words representative of the logarithm of a number; a clock pulse source; a plurality of digital 'I' detectors; and a plurality of gating means.

Subfile: C

Descriptors: digital arithmetic; special purpose computers

Class Codes: C5230 (Digital arithmetic methods); C5420 (Mainframes and minicomputers)

17/5/18 (Item 1 from file: 233)

DIALOG(R)File 233:Internet & Personal Comp. Abs.

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00475088 97IV10-004

**More megabytes! Cutting-edge data storage for digital media production**

Grey, Kennedy

InterActivity , October 1, 1997 , v3 n10 p53-57, 4 Page(s)

ISSN: 1077-8047

Languages: English

Document Type: Articles, News & Columns

Geographic Location: United States

Presents a survey of data storage options for digital media production. Remarks that a computer system's performance is limited as much by its storage facilities as by its video board, RAM, CPU, and software. Identifies issues and developments that affect the design of media storage systems. Discusses **primary** , **secondary** , and archival **storage** as well as duplexing, hot- **swapping** , hot sparing, and spindle synchronization. Concludes that the best policy is to get the online or near-line storage system with the biggest capacity, throughput, and connectivity that a user can afford. Includes a chart and a sidebar. (dpm)

Descriptors: Mass Storage; Multimedia; Digital Video; Digital Audio; Project Management; Survey

20/5/31 (Item 7 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2003 Institution of Electrical Engineers. All rts. reserv.

02410588 INSPEC Abstract Number: B85019703, C85016057

**Title: Distributed database management in a highly reliable distributed communications network**

Author(s): Cohen, D.; Shipley, E.N.

Author Affiliation: AT&T Bell Labs., Holmdel, NJ, USA

Conference Title: Links for the Future. Science, Systems & Services for Communications. Proceedings of the International Conference on Communications-ICC 84 p.738-42 vol.2

Editor(s): Dewilde, P.; May, C.A.

Publisher: North-Holland, Amsterdam, Netherlands

Publication Date: 1984 Country of Publication: Netherlands 2 vol. liv+1622 pp.

ISBN: 0 444 87524 7

U.S. Copyright Clearance Center Code: CH 2028-9/84/0000-0738\$01.00

Conference Sponsor: IEEE; IEE; EUREL; Klv1

Conference Date: 14-17 May 1984 Conference Location: Amsterdam, Netherlands

Language: English Document Type: Conference Paper (PA)

Treatment: Practical (P)

Abstract: Signaling information for the AT&T Communications telephone network is sent through a nationwide packet switching network. Routing for some services on the telephone network is controlled by a distributed database that is accessed through the packet switching network. Operations on the distributed database are limited to read-only transactions and to administrative updates of the database. These conditions allow the application of an efficient update algorithm that does not delay the large volume of read-only transactions. (7 Refs)

Subfile: B C

Descriptors: database management systems; packet switching; telephone networks

Identifiers: signalling information; distributed database management; DBMS; SPC network; distributed communications network; AT&T Communications; packet switching network; telephone network; read-only transactions; administrative updates

Class Codes: B6210D (Telephony); C6160B (Distributed DBMS)

20/5/33 (Item 9 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2003 Institution of Electrical Engineers. All rts. reserv.

01754330 INSPEC Abstract Number: C81033310

**Title: Developing databases for online information retrieval**

Author(s): Levine, G.R.

Author Affiliation: Systems Dev. Corp., Santa Monica, CA, USA

Journal: Online Review vol.5, no.2 p.109-20

Publication Date: April 1981 Country of Publication: UK

CODEN: OLREDR ISSN: 0309-314X

Language: English Document Type: Journal Paper (JP)

Treatment: Practical (P)

Abstract: The emergence of online databases represents a shift from providing a physical entity, a book or an article, to the more abstract concept of providing or transferring information. The role of the database developer/analyst in that shift is that of an information retrieval 'cataloger' responsible for determining the access points supported by the database's contents, much as a traditional library cataloger defines, describes, and classifies the intellectual content of a book and 'maps' it into the library's card catalog. This is only one of the several parallels between the functions of an information retrieval service and a traditional library. For example, users 'check-out' information from both, but while a circulation staff shifts the collection to accommodate growth, a retrieval service updates databases and allocates additional disk space to allow for expansion. Describing the tasks required in developing a database for online searching is the purpose of this paper. (5 Refs)



\* Subfile: C  
Descriptors: information retrieval; information services  
Identifiers: online information retrieval; online databases; access  
points; information retrieval service; library; updates; disk space  
Class Codes: C7210 (Information services and centres); C7250L (  
Non-bibliographic systems)

20/5/34 (Item 10 from file: 2)  
DIALOG(R)File 2:INSPEC  
(c) 2003 Institution of Electrical Engineers. All rts. reserv.

00759298 INSPEC Abstract Number: C75012351

**Title: Portable data storage volumes**

Author(s): Brigham, R.A.; DeGraffenreid, D.C.; Reigel, F.A.; Smith, S.H.;  
Stuehler, J.E.

Author Affiliation: IBM, New York, NY, USA

Journal: IBM Technical Disclosure Bulletin vol.17, no.7 p.1854-5

Publication Date: Dec. 1974 Country of Publication: USA

CODEN: IBMTAA ISSN: 0018-8689

Language: English Document Type: Journal Paper (JP)

Treatment: Applications (A)

Abstract: Volumes stored in a library between transfers to  
computer-connected read/write stations can carry data in magnetic, electric  
and electrostatic form. A data library stores volumes in cubby holes. An  
electromechanical access mechanism moves between two positions and carries  
a single **volume** at a time to read/ **write** stations, which **exchange** data  
between the **volumes** and a computer. (0 Refs)

Subfile: C

Descriptors: data handling; library mechanisation; storage units

Identifiers: data storage volumes; data library; cubby holes;  
electromechanical access mechanism; read/write stations; computer

Class Codes: C5310 (Storage system design); C6130 (Data handling  
techniques)

20/5/45 (Item 11 from file: 233)  
DIALOG(R)File 233:Internet & Personal Comp. Abs.  
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00267014 92CO02-009

**Superbase 2**

Mann, Richard O

Compute , February 1, 1992 , v14 n2 p120, 2 Page(s)

ISSN: 0194-357X

Company Name: Software Publishing

Product Name: Superbase 2

Languages: English

Document Type: Software Review

Grade (of Product Reviewed): B

Hardware/Software Compatibility: IBM PC; IBM PC Compatible

Geographic Location: United States

Presents a favorable review of Superbase 2 (\$345), a database from  
Software Publishing of Santa Clara, CA (408). Runs on the IBM PC and  
compatibles with 1MB hard drive space, Windows 2.1 or higher, and mouse.  
Says this database for Windows is not truly relational, but it can display  
fields from several files at once and use them in reports. It consists of  
graphics screens and images, letting you create striking visuals for input  
screens, output forms, and reports. Can include scanned-in images in  
database **records**. It uses the Dynamic Data **Exchange** function to capture  
and **modify** data in other Windows applications' **files**. This powerful  
**database** has a **query** function with enough flexibility to do anything  
you could reasonably expect from a nonprogrammable **database**. **Reads**  
**dBASE files** directly, allowing you to work with DBF data on a **read**  
**-only** basis. Provides multilevel **file** security through passwords. (v1)

File 348:EUROPEAN PATENTS 1978-2003/Oct W02

(c) 2003 European Patent Office

File 349:PCT FULLTEXT 1979-2002/UB=20031016,UT=20031009

(c) 2003 WIPO/Univentio

Set	Items	Description
S1	1228013	DATABASE? ? OR DATA()BASE? ? OR REPOSITOR??? OR FILE? ? OR RECORD? ? OR DRIVE OR STORAGE OR VOLUME? ?
S2	67147	(FIRST? OR PRIMARY OR MAIN OR ACTIVE OR LIVE) (5W)S1
S3	73311	(SECOND? OR 2ND OR TWO) (5W)S1
S4	1611	S2(5N)S3(5N) (COPY OR COPIE? ? OR DUPLICAT? OR REPLICA? OR - REPRODUC? OR SAME OR IDENTICAL? OR MIRROR? OR CLON???)
S5	120039	(QUERY??? OR QUERIE? ? OR SEARCH??? OR READ???) (7N)S1
S6	134935	(WRIT??? OR INSERT??? OR UPDAT? OR CHANG??? OR MODIF???? OR MODIFICATION? ? OR EDIT??? OR AMEND??? OR LOAD???) (7N)S1
S7	37390	S1(5N) (SWITCH??? OR TOGGL??? OR FLIP???? OR SHIFT??? OR EX-CHANG? OR SWAP????)
S8	19	S4(S)S5(S)S6(S)S7
S9	95315	S1(7N) (COPY OR COPIE? ? OR DUPLICAT? OR REPLICA? OR REPROD-UC? OR SAME OR IDENTICAL? OR MIRROR? OR CLON???)
S10	62	S2(S)S3(S)S9(S)S5(S)S6(S)S7
<del>S11</del>	<del>66</del>	S8 OR S10
S12	195	S9(S)S5(S)S6(S)S7
S13	144	S12 NOT S11
<del>S14</del>	<del>27</del>	S13/TI,AB,CM
S15	58	S13 AND IC=G06F
<del>S16</del>	<del>43</del>	S15 NOT (S11 OR S14)

11/5,K/5 (Item 5 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
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01070537

Reproducing apparatus, recording apparatus and recording/reproducing apparatus

Wiedergabegerat, Aufzeichnungsgerat und Aufzeichnungs-/Wiedergabevorrichtung

Appareil de reproduction, appareil d'enregistrement et dispositif d'enregistrement/reproduction

PATENT ASSIGNEE:

Matsushita Electric Industrial Co., Ltd., (1855508), 1006, Oaza-Kadoma, Kadoma-shi, Osaka 571-8501, (JP), (Applicant designated States: all)

INVENTOR:

Ino, Hidefumi, 22-7, Kori-nishinomachi, Neyagawa-shi, Osaka 572-0089, (JP)

Nakatani, Tokuo, 3-23-24, Ayukawa, Ibaraki-shi, Osaka 657-0831, (JP)

Kanai, Toshio, 13-15, Kamimachida, Morimoto-cho, Muko-shi, Kyoto 617-0003, (JP)

LEGAL REPRESENTATIVE:

Grunecker, Kinkeldey, Stockmair & Schwanhausser Anwaltssozietat (100721), Maximilianstrasse 58, 80538 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 942419 A2 990915 (Basic)

EP 942419 A3 000105

APPLICATION (CC, No, Date): EP 99104655 990309;

PRIORITY (CC, No, Date): JP 9857809 980310

DESIGNATED STATES: DE; FR; GB

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: G11B-020/10; G11B-027/00; G06F-017/30;

H04N-005/85

ABSTRACT EP 942419 A2

A reproducing apparatus according to the present invention includes: a first storage including a changer for housing a plurality of storage media and a drive for reading out data from first and second target storage media selected from the storage media in that order; a second storage; a data processing unit for presenting the data stored on the first and second target storage media; and a controller for controlling the changer, the drive, the data processing unit and the second storage. Before the data processing unit starts to present the data stored on the first and second target storage media, the controller controls the first storage to read out at least part of the data stored on one of the first and second target storage media as bridging data and controls the second storage to store the read bridging data. When the data processing unit starts to present the data stored on the first and second target storage media, the controller controls the second storage to supply the bridging data to the data processing unit during a period in which reading the data stored on the first and second target storage media is discontinuous because of exchange of the first target storage medium for the second target storage medium, so as to present the data stored on the first and second target storage media continuously.

ABSTRACT WORD COUNT: 226

NOTE:

Figure number on first page: 1

LEGAL STATUS (Type, Pub Date, Kind, Text):

Examination: 000726 A2 Date of request for examination: 20000602

Search Report: 20000105 A3 Separate publication of the search report

Examination: 030806 A2 Date of dispatch of the first examination report: 20030624

Application: 990915 A2 Published application without search report

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	9937	1274
SPEC A	(English)	9937	7347
Total word count - document A			8621

Total word count - document B 0  
Total word count - documents A + B 8621

...SPECIFICATION plurality of storage media.

A reproducing apparatus according to the present invention includes: a first **storage** including a changer for housing a plurality of **storage** media and a **drive** for **reading** out data from first and second target **storage** media selected from the storage media in that order; a second storage; a data processing unit for presenting the data stored on the first and second target **storage** media; and a controller for controlling the **changer**, the **drive**, the data processing unit and the second storage. Before the data processing unit starts to...

...data stored on the first and second target storage media, the controller controls the first **storage** to **read** out at least part of the data stored on one of the first and second target storage media as bridging data and controls the second **storage** to store the **read** bridging data. When the data processing unit starts to present the data stored on the...

...the data processing unit during a period in which reading the data stored on the **first** and **second** target **storage** media is discontinuous because of **exchange** of the **first** target **storage** medium for the **second** target **storage** medium, so as to present the data stored on the **first** and **second** target **storage** media continuously.

According to the present invention, while data, stored in first and second target...is accessible.

A recording and reproducing apparatus according to the present invention includes: a first **storage** including a changer for housing a plurality of **storage** media and a **drive** for **reading** out data from first and second target **storage** media selected from the storage media in that order; a second storage; a data processing unit for presenting the data stored on the first and second target **storage** media; and a controller for controlling the **changer**, the **drive**, the data processing unit and the second storage. Before the data processing unit starts to...

...of the first and second target storage media as bridging data, and controls the first **storage** and the second **storage** to **read** out the bridging data from the one of the first and second target **storage** media and to store the **read** bridging data when the bridging data is not stored on the second storage. When the...

...the data processing unit during a period in which reading the data stored on the **first** and **second** target **storage** media is discontinuous because of exchange of the **first** target **storage** medium for the **second** target **storage** medium, so as to present the data stored on the **first** and **second** target **storage** media continuously.

#### BRIEF DESCRIPTION OF THE DRAWINGS

Figure 1 is a block diagram illustrating a...and/or audio data into that adapted to be recorded on an optical disk. In **reproducing**, the external unit 80 performs signal processing on data, supplied from the changer section 10 (i.e., exemplary **first storage**) or the HDD 30 (i.e., exemplary **second storage**) if necessary, and then presents the data processed to the user.

The DVD-RAM changer...

...CLAIMS a data processing unit for presenting the data stored on the first and second target **storage** media; and  
a controller for controlling the **changer**, the **drive**, the data processing unit and the second storage,

wherein, before the data processing unit starts...

...data stored on the first and second target storage media, the controller controls the first **storage** to **read** out at least part of the data

stored on one of the first and second target storage media as bridging data and controls the second **storage** to store the **read** bridging data, and

wherein, when the data processing unit starts to present the data stored...

...the data processing unit during a period in which reading the data stored on the **first** and **second** target **storage** media is discontinuous because of exchange of the **first** target **storage** medium for the **second** target **storage** medium, so as to present the data stored on the **first** and **second** target **storage** media continuously.

2. A reproducing apparatus according to Claim 1, wherein the controller controls the **first storage** and the **second storage** in such a manner that part of the data, which is to be presented before...

11/5,K/7 (Item 7 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
(c) 2003 European Patent Office. All rts. reserv.

00939426

**Optical disc system**  
**System fur optische Platten**  
**Systeme de disque optique**  
PATENT ASSIGNEE:

Discovision Associates, (260275), 2355 Main Street, Suite 200, Irvine, CA 92614, (US), (applicant designated states:  
AT;BE;CH;DE;ES;FR;GB;IE;IT;LI;NL;PT;SE)

INVENTOR:

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Getreuer, Kurt, Walter, 5055 Horseshoe Bend, Colorado Springs, CO 80917, (US)  
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LEGAL REPRESENTATIVE:

Leone, Mario et al (87921), Societa Italiana Brevetti S.p.A. Piazza di Pietra 39, 00186 Roma, (IT)

PATENT (CC, No, Kind, Date): EP 853313 A2 980715 (Basic)

APPLICATION (CC, No, Date): EP 98200192 960118;

PRIORITY (CC, No, Date): US 376882 950125

DESIGNATED STATES: AT; BE; CH; DE; ES; FR; GB; IE; IT; LI; NL; PT; SE

RELATED PARENT NUMBER(S) - PN (AN):

EP 726564 (EP 963003504)

INTERNATIONAL PATENT CLASS: G11B-007/125;

ABSTRACT EP 853313 A2

An optical disc system includes a laser driver for controlling an electrical current directed to a laser. The driver includes means for switching the drive voltage between a first voltage level and a second voltage level, so that electric power is only consumed when the laser is energized, thereby achieving enhanced rise and fall switching characteristics. The means for applying the drive voltage may include a CMOS buffer output.

ABSTRACT WORD COUNT: 70

LEGAL STATUS (Type, Pub Date, Kind, Text):

Change: 000913 A2 Legal representative(s) changed 20000725

Application: 980715 A2 Published application (Alwith Search Report  
;A2without Search Report)

Change: 001129 A2 Legal representative(s) changed 20001011

LANGUAGE (Publication,Procedural,Application): English; English; English

# FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	9829	694
SPEC A	(English)	9829	88210
Total word count - document A			88904
Total word count - document B			0
Total word count - documents A + B			88904

...SPECIFICATION an information processing system of this type has advantages of high recording density and accurate **reproduction** of the recorded information.

The components of a typical optical system include a housing with...

...cartridge shutter may have one or more locking tabs associated with it. The corresponding disc **drive** includes a mechanism for opening the door or shutter on the cartridge as the cartridge...door link 1-85 is rotatably mounted to the cartridge receiver 1-82 at a **first** pivot point 1-323, and the right door link 1-88 is rotatably mounted to...

...lock and opens the cartridge shutter 1-49 as the disc cartridge 1-13 is **inserted** into the **drive** 1-10. Whether the left door link 1-85 or the right door link 1...

...of the disc cartridge 1-13 is facing up when the cartridge 1-13 is **inserted** into the **drive** 1-10. If the disc cartridge 1-13 is inserted with a first side up...

...shutter latch and open the shutter 1-49 as the disc cartridge 1-13 is **inserted** into the **drive** 1-10.

With reference now to Figs. 18-22, the rotatable, magnetic bias coil assembly...

...94 will be more fully described. The bias coil assembly 1-94 is used during **writing** and erasing operations of the disc **drive** 1-10. The bias coil assembly 1-94 includes a steel bar 1-335 wrapped...

...tilt or rotate about a point 1-353 near its center, and it is spring-**loaded** downward. In this manner, the bias coil assembly 1-94 can remain parallel to the...to complete a disk-ejection operation, as discussed below. When in the down condition and **loaded** in the disc cartridge 1-13, the bias coil assembly 1-94 rests on the...

...the bias coil arm 1-97 has been rotated toward the rear of the disc **drive** 1-10. It is this rotation of the lever arm 1-275 which has installed...

...when the left slider 1-70 has been driven toward the rear of the disc **drive** 1-10 by the tiller 1-76, as depicted in Fig 23, the cartridge receiver...

11/5,K/9 (Item 9 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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00760486

**Data recording and reproducing apparatus**

**Datenaufzeichnungs- und Wiedergabegerat**

**Appareil d'enregistrement et de reproduction de donnees**

PATENT ASSIGNEE:

SONY CORPORATION, (214022), 7-35, Kitashinagawa 6-chome Shinagawa-ku, Tokyo, (JP), (Proprietor designated states: all)

INVENTOR:

Koike, Shigeaki, c/o Sony Corporation, 7-35, Kitashinagawa 6-chome, Shinagawa-ku, Tokyo, (JP)

Iwasaki, Yasuo, c/o Sony Corporation, 7-35, Kitashinagawa 6-chome, Shinagawa-ku, Tokyo, (JP)

LEGAL REPRESENTATIVE:

Melzer, Wolfgang, Dipl.-Ing. et al (8278), Patentanwälte Mitscherlich & Partner, Sonnenstrasse 33, 80331 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 715307 A2 960605 (Basic)  
 EP 715307 A3 990818  
 EP 715307 B1 020206  
 APPLICATION (CC, No, Date): EP 95118722 951128;  
 PRIORITY (CC, No, Date): JP 94293556 941128  
 DESIGNATED STATES: DE; FR; GB  
 INTERNATIONAL PATENT CLASS: G11B-027/031; H04N-005/76; H04N-005/262  
 CITED PATENTS (EP B): EP 503480 A; EP 615244 A; EP 625781 A; GB 2274223 A;  
 GB 2296600 A; US 5164839 A  
 CITED REFERENCES (EP B):  
 PATENT ABSTRACTS OF JAPAN vol. 095, no. 002, 31 March 1995 (1995-03-31) &  
 JP 06 309843 A (MATSUSHITA ELECTRIC IND CO LTD), 4 November 1994  
 (1994-11-04)  
 PATENT ABSTRACTS OF JAPAN vol. 098, no. 007, 31 March 1998 (1998-03-31) &  
 JP 05 101609 A (DIGITAL FX INC), 23 April 1993 (1993-04-23);

# ABSTRACT EP 715307 A2

A data recording and reproducing apparatus (1) which can easily perform the editing of audio and/or visual data even at the camera site. In the data recording and reproducing apparatus (1), a VTR portion (10) and an MO disc portion (30) are integrally constituted. Audio and/or visual data input from an outside apparatus is recorded on a video tape (110) by the VTR portion, and further reproduced from the video tape and transferred to the MO disc device (32) at a high speed and recorded. The user of the data recording and reproducing apparatus (1) quickly finds the desired video image by actively utilizing the random access property of the MO disc device and sequentially inputs the same to the VTR device, records the same on the video tape (110), and performs the editing of the audio and/or visual data. (see image in original document)

ABSTRACT WORD COUNT: 166

## NOTE:

Figure number on first page: 1

## LEGAL STATUS (Type, Pub Date, Kind, Text):

Examination: 001108 A2 Date of dispatch of the first examination  
 report: 20000921  
 Examination: 20000405 A2 Date of request for examination: 20000204  
 Oppn None: 030129 B1 No opposition filed: 20021107  
 Change: 010418 A2 International Patent Classification changed:  
 20010226  
 Change: 010411 A2 International Patent Classification changed:  
 20010221  
 Grant: 020206 B1 Granted patent  
 Application: 960605 A2 Published application (Alwith Search Report  
 ;A2without Search Report)  
 Search Report: 990818 A3 Separate publication of the search report

LANGUAGE (Publication,Procedural,Application): English; English; English  
 FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPAB96	913
CLAIMS B	(English)	200206	962
CLAIMS B	(German)	200206	793
CLAIMS B	(French)	200206	1234
SPEC A	(English)	EPAB96	9556
SPEC B	(English)	200206	9720
Total word count - document A			10471
Total word count - document B			12709
Total word count - documents A + B			23180

...SPECIFICATION a recording and reproducing system comprising input means for inputting information to be recorded, first **storage** means for **writing** and **reading** information on a high capacity **storage** medium such as a multitrack magnetic tape, second **storage** means for **writing** and **reading** information on a random access **storage** medium such as a magnetic disk, and switching means connected between the input means and the **first** and the **second storage** means for simultaneously or selectively delivering the input information to the **first** and the

**second storage** means. Further, the recording and reproducing system comprises control means for controlling the **first storage** means, the **second storage** means and the **switching** means.

USA-5 164 839 relates to a video recorder/transceiver for handling audio/video...

11/5,K/14 (Item 14 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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00380229

**Data storage hierarchy and method for managing data therein.**

**Datenspeicherhierarchie und Verfahren zur Verwaltung der enthaltenden Daten.**

**Memoire hierarchisee et methode de gestion des donnees s'y trouvant.**

PATENT ASSIGNEE:

International Business Machines Corporation, (200120), Old Orchard Road, Armonk, N.Y. 10504, (US), (applicant designated states: DE;FR;GB)

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LEGAL REPRESENTATIVE:

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PATENT (CC, No, Kind, Date): EP 341230 A2 891108 (Basic)  
EP 341230 A3 901219

APPLICATION (CC, No, Date): EP 89850138 890427;

PRIORITY (CC, No, Date): US 190422 880505

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS: G06F-003/06; G06F-012/08;

CITED PATENTS (EP A): EP 212425 A; US 4769782 A; EP 150705 A

CITED REFERENCES (EP A):

JAPAN TELECOMMUNICATION REVIEW. vol. 28, no. 3, July 1986, TOKYO JP pages 205 - 210; K. Nagatani: "Compact Mass Storage Subsystem with Magnetic Tape Auto-handling"

IBM TECHNICAL DISCLOSURE BULLETIN. vol. 25, no. 5, October 1982, NEW YORK US pages 2490 - 2491; K. E. Duvall: "Selecting data storage volumes for data sets"

SYSTEMS, COMPUTERS, CONTROLS. vol. 11, no. 4, July 1980, SILVER SPRING, MARYLAND, USA pages 1 - 10; Fujiwara et al.: "Performance Evaluation of Hierarchical External Storage";

ABSTRACT EP 341230 A2

A method for managing data in a data storage hierarchy, and a data storage hierarchy for implementing such method is disclosed. The data storage hierarchy includes a data catalog (60) and a plurality of data storage levels (10, 20, 40, 30). The data catalog stores information indicating data management rules for the data stored in the hierarchy. Data stored in the hierarchy are flagged upon being referenced by the host processor (50). The flagged data is managed according to the management rules during periods of low hierarchy activity. After the flagged data are managed, the flags are reset. The method, and hierarchy employing such, avoid problems associated with managing large quantities of data.

ABSTRACT WORD COUNT: 117

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 891108 A2 Published application (Alwith Search Report  
;A2without Search Report)

Examination: 900523 A2 Date of filing of request for examination:  
900326

\*Examination: 900606 A2 Date of filing of request for examination



(change): 900326  
Change: 901205 A2 Obligatory supplementary classification  
(change)  
Search Report: 901219 A3 Separate publication of the European or  
International search report  
Change: 930324 A2 Representative (change)  
Examination: 931027 A2 Date of despatch of first examination report:  
930914  
Withdrawal: 940727 A2 Date on which the European patent application  
was deemed to be withdrawn: 940125

LANGUAGE (Publication,Procedural,Application): English; English; English  
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF1	606
SPEC A	(English)	EPABF1	5192
Total word count - document A			5798
Total word count - document B			0
Total word count - documents A + B			5798

...SPECIFICATION control 24 for automatically transferring optical disks  
between optical disk drives 21 and 22 and **storage** cells 23. **Write**  
-once, **read** -many (WORM) optical libraries are commercially available,  
the details and operation of which are known...

...storage cells so as to locate a particular cell and thereby enable said  
robot to **exchange** optical disks between **storage** cells 23 and optical  
disk drives 21 and 22. The third level of data storage...

...optical disks are all of such type, for example, WORM optical disks,  
that reading and **writing** may be accomplished by optical disk **drive** 40  
or optical disk drives 21 and 22. Optical disk **drive** 40 is in a sense  
in the **same** level of the data **storage** hierarchy as optical library 20  
because a disk mounted on optical disk drive 40 or...

11/5,K/18 (Item 18 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
(c) 2003 European Patent Office. All rts. reserv.

00317609

**Tape cassette loading system.**

**Bandkassettenladesystem.**

**Systeme de chargement de cassette a bande.**

PATENT ASSIGNEE:

VICTOR COMPANY OF JAPAN, LIMITED, (278641), 12, 3-chome, Moriya-Cho  
Kanagawa-ku, Yokohama-Shi Kanagawa-Ken 221, (JP), (applicant designated  
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INVENTOR:

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Hirayama, Hiromichi, No. 1-20-4, Awata, Yokosuka-shi Kanagawa-ken, (JP)  
Hara, Mitsuhiro, No. 2423-227, Ozenji, Asao-Ku, Kawasaki-Shi Kanagawa-Ken  
, (JP)  
Mihara, Masato, No. 4-26, Sumiredaira, Hiratsuka-Shi Kanagawa-Ken, (JP)

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PATENT (CC, No, Kind, Date): EP 312402 A2 890419 (Basic)  
EP 312402 A3 900822  
EP 312402 B1 940223

APPLICATION (CC, No, Date): EP 88309684 881014;

PRIORITY (CC, No, Date): JP 87260584 871015

DESIGNATED STATES: DE; FR; GB; NL

INTERNATIONAL PATENT CLASS: G11B-025/06; G11B-015/675; G11B-015/665;  
G11B-015/02; G11B-015/07; G11B-015/17;

CITED PATENTS (EP A): EP 133822 A; EP 204585 A; DE 3432831 C; DE 3430452 A;  
US 3740495 A; EP 312397 A; DE 2843336 A; DE 2844566 A; DE 3238510 A; EP  
177133 A

# ABSTRACT EP 312402 A2

A tape cassette loading system of a video tape recorder comprises a cassette loading mechanism (200, 300) including a cassette tray (300) adapted to accept a standard size tape cassette and a compact size tape cassette, for transporting a tape cassette placed thereon from a eject state located substantially outside of a body of the video tape recorder for placement or removal of the tape cassette horizontally to a closed state in which the tape cassette is completely inside the body of the video tape recorder, then to a compact cassette loading state immediately below the closed state, and then to a standard cassette loading state further below the compact cassette loading state, wherein a reel drive mechanism (500, 600) is movable responsive to the type of the tape cassette on the cassette loading means between a first state and a second state for driving a take up reel and a supply reel of the tape cassette, a tape loading mechanism (700) is movable responsive to the type of the tape cassette on the cassette loading means between a first state for engagement with the standard size tape cassette and a second state for engagement with the compact size tape cassette, for drawing out a magnetic tape from the tape cassette and for loading the magnetic tape on a guide drum of the video tape recorder, and a controller (900) is used for controlling the state of the cassette loading mechanism, reel drive mechanism and the tape loading mechanism responsive to the type of the tape cassette to be loaded.

ABSTRACT WORD COUNT: 267

## LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 890419 A2 Published application (Alwith Search Report ;A2without Search Report)  
 Change: 900620 A2 Representative (change)  
 Search Report: 900822 A3 Separate publication of the European or International search report  
 Examination: 910227 A2 Date of filing of request for examination: 901221  
 Examination: 921014 A2 Date of despatch of first examination report: 920901  
 Grant: 940223 B1 Granted patent  
 Change: 940727 B1 Inventor (change)  
 Change: 941005 B1 Rectifications of patent specifications (change): (B1) (940223)  
 Oppn None: 950215 B1 No opposition filed

LANGUAGE (Publication,Procedural,Application): English; English; English

## FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	3200
CLAIMS B	(German)	EPBBF1	2786
CLAIMS B	(French)	EPBBF1	3614
SPEC B	(English)	EPBBF1	15159
Total word count - document A			0
Total word count - document B			24759
Total word count - documents A + B			24759

...SPECIFICATION Furthermore, tape cassettes having different dimensions have substantially identical loading times.

The tape cassette loading **system** of a **magnetic** recording and reproducing apparatus **may** comprise cassette **loading** means adapted to hold a **standard** size tape cassette and a compact size tape cassette, said **cassette loading** means further being movable between an unloading state ready for placement or removal of the...

...the magnetic tape around the guide drum, said tape loading means being movable between a **first** state for drawing out **the** magnetic tape from the standard size tape cassette and a second state for drawing out the magnetic tape from the compact size tape **cassette**, and a reel **drive** means adapted for engaging with a supply reel and a take up reel of the tape cassette placed on the **cassette loading** means **for** driving the supply reel **and** the take up reel, said reel **drive** means being movable **between** a first state for engagement with the reels in the standard size tape cassette and...

..second state for engagement with the reels in the compact size tape cassette, wherein the **tape cassette loading** system further **comprises** a controller which detects **the** type of the tape cassette placed on the cassette loading means, the state of the cassette **loading** means, tape **loading** means and the **reel drive** means and controls **the** cassette **loading** means, tape **loading** means and the reel **drive** means such that the cassette **loading** means is moved to a first ready-for-loading position when the standard size tape...

...to the second state when the compact size tape cassette is placed on the cassette **loading** means, that the reel **drive** means is set to the first state when the standard size tape cassette is placed...

...on the cassette loading means, and that the switching of the state of the cassette **loading** means, tape loading **means** and the reel **drive** means is started simultaneously responsive to the start of the loading operation when the tape...

...to the other. According to the present invention, switching of the state of the tape **loading** means and the reel **drive** means responsive to the **change** in the **type** of the tape cassette is started simultaneously with the movement of the cassette loading means...

11/5,K/21 (Item 21 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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00207354

**Method for ensuring switchover in a restartable data base system.**

**Umschaltsicherungsverfahren fur ein wiederanlaufbares Datenbanksystem.**

**Methode assurant le passage dans un systeme de base de donnees redemarrable.**

PATENT ASSIGNEE:

International Business Machines Corporation, (200120), Old Orchard Road,  
Armonk, N.Y. 10504, (US), (applicant designated states: DE;FR;GB;IT)

INVENTOR:

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Funahashi, Takayuki, 2-9-14, Matsue, Edogawa-Ku Tokyo-To 132, (JP)

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(US)

LEGAL REPRESENTATIVE:

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Intellectual Property Department Hursley Park, Winchester Hampshire  
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PATENT (CC, No, Kind, Date): EP 221274 A2 870513 (Basic)

EP 221274 A3 890308

EP 221274 B1 920701

APPLICATION (CC, No, Date): EP 86111955 860829;

PRIORITY (CC, No, Date): US 792371 851029

DESIGNATED STATES: DE; FR; GB; IT

INTERNATIONAL PATENT CLASS: G06F-011/20;

CITED PATENTS (EP A): GB 1163859 A

CITED REFERENCES (EP A):

ELECTRONIC ENGINEERING, vol. 43, no. 516, February 1971, pages 45-47,  
London, GB; J.I.MUTZENEEK: "Using mini-computers in systems  
engineering"

COMPUTER, vol. 17, no. 8, August 1984, pages 19-30, IEEE, Long Beach,  
California, US; O.SERLIN et al.: "Fault-tolerant systems in commercial  
applications"

MINI-MICRO SYSTEMS, vol. 16, no. 14, December 1983, pages 193-205,  
Denver, Colorado, US; A.INSELBERG: "Database- management systems"

IBM TECHNICAL DISCLOSURE BULLETIN, vol. 28, no. 3, August 1985, pages  
950-951, New York, US; "Shared data availability across a system  
failure";

ABSTRACT EP 221274 A2

A method for maintaining switchover between a backup and degrading active processor, which switchover is transparent to a terminal accessing the active processor with atomic transactions. The backup processor prepares for an outage by the active processor by synchronizing, tracking, and monitoring the active processor's log entries. When the active processor fails, the backup processor performs the necessary recovery processing and takes over user-transaction processing as the new active processor.

ABSTRACT WORD COUNT: 74

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 870513 A2 Published application (Alwith Search Report ;A2without Search Report)  
 Examination: 871014 A2 Date of filing of request for examination: 870821  
 Change: 880727 A2 Representative (change)  
 Search Report: 890308 A3 Separate publication of the European or International search report  
 Change: 900228 A2 Representative (change)  
 Examination: 901212 A2 Date of despatch of first examination report: 901026  
 Grant: 920701 B1 Granted patent  
 Change: 930324 B1 Representative (change)  
 Oppn None: 930623 B1 No opposition filed  
 Lapse: 991020 B1 Date of lapse of European Patent in a contracting state (Country, date): IT 19920701,

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	472
CLAIMS B	(German)	EPBBF1	477
CLAIMS B	(French)	EPBBF1	560
SPEC B	(English)	EPBBF1	9170
Total word count - document A			0
Total word count - document B			10679
Total word count - documents A + B			10679

...SPECIFICATION control is given back to statement 2 in Figure 7 so that the next log **record** can be **read**.

The log **records** that support both the initial SNAPQ Checkpoint and the continued status tracking for IMS/XRF...

...63' (Session Initiation/Termination): used to track the session activation/deactivation of nodes/terminals. If **the log record** indicates the "active" has established an XRF-capable VTAM session, an attempt will be made...first-update indicators the same as those of the "active" at the time of the **checkpoint**. Thereafter, the following log **records** are used to track changes to these indicators:  
 - X'50', X'51', and X'52...

...the XRF environment, the PST number no longer uniquely identifies the "Unit of Work" (refers to all DL/I **change** activity for a dependent region between two consecutive sync points). To eliminate this ambiguity, a...

...obtained from the log record). As RPSTs are created, they are chained to other RPSTs **with the same** PST number, with the first RPST in each chain anchored in the Restart Table (see...

...DL/I lock tracking:

The alternate subsystem tracks the status of the locks for "uncommitted" **DL / I data base changes** in the active subsystem. This information is used during the Takeover Phase to reacquire these locks **so that 10the restart backouts** can run concurrent with new transaction **processing**. The locks protect the "uncommitted" **data**

**base changes** from the new transaction processing.

It was necessary to expand the amount of information included...Data Base Change log records is used to create one or more 'entries' chained off **the** hash table associated with the **modifying** 'PST' provided they are not duplicates. Duplicates are thrown away. The 'entries' created reflect DL...

...I "indoubt" buffer tracking/reduction:

To support DL/I I/O Toleration (described in the **section " Takeover Phase "**), it is **necessary** for the alternate subsystem to track the ISAM/OSAM block and VSAM control **intervals** to which the active subsystem could potentially **write** .

To accomplish this, the following information on the DL/I **Data Base Change log records written** by the active **subsystem** is needed:

- a. X'07' - Application Program Termination log records
- b. X'37' - DL/I...

11/5,K/51 (Item 30 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00529140 \*\*Image available\*\*

**DATA VILLAGE SYSTEM**

**SYSTEME A VILLAGE DE DONNEES**

Patent Applicant/Assignee:

INFORMATION RESONANCE CORPORATION,  
EMERSON Mark Laurence,

Inventor(s):

EMERSON Mark Laurence,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9960492 A1 19991125

Application: WO 98US9963 19980518 (PCT/WO US9809963)

Priority Application: WO 98US9963 19980518

Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES

FI GB GE GH GM GW HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD

MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US

UZ VN YU ZW GH GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE

CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN

ML MR NE SN TD TG

Main International Patent Class: G06F-017/30

Publication Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 32355

**English Abstract**

The data village system (DVS), an interactive computer system and software (97) enabling a user to establish a data model, that defines an organizational structure for an organization's data and enforces the user's rules as to how the organization's data is manipulated and viewed (101, 103, 105). The data model consists of tables for receiving related datums, compartments of tables for receiving associated datums, and cables which connect tables, thereby indicating linkages between datums in different tables, expandable to successively larger groupings of linked tables and groupings. The DVS functions according to data organization rules which require that user-data entered into a compartment be linked to other user-data according to the data module. As a result, a user may request display of the datums in a specified compartment and be alerted to and have available for display all other datums in the organization that pertain to the specified datums.

**French Abstract**

L'invention concerne un systeme a village de donnees (DVS), un logiciel (97) et un systeme informatique interactifs permettant a l'utilisateur d'etablir un modele de donnees, qui definit une structure

organisationnelle pour les donnees d'organisation et qui applique les regles de l'utilisateur quant a la maniere dont les donnees d'organisation sont manipulees et vues (101, 103, 105). Le modele de donnees consiste en tables destinees a recevoir des donnees associees, des compartiments de tables destines a recevoir les donnees associees et des cables qui connectent les tables, indiquant ainsi les liaisons entre les donnees dans differentes tables, et extensibles a des groupements plus importants de tables et de groupements lies. Le systeme a village de donnees (DVS) fonctionne selon les regles d'organisation de donnees, d'apres lesquelles les donnees d'utilisateur entrees dans un compartiment doivent etre liees a d'autres donnees d'utilisateur en fonction du modele de donnees. Ainsi, un utilisateur peut demander l'affichage des donnees dans un compartiment specifie, etre averti de l'affichage et afficher toutes les autres donnees de l'organisation, appartenant a des donnees specifiees. Une batterie dotee dudit separateur et un appareil utilise pour la fabrication de ladite batterie sont egalement decrits.

Fulltext Availability:

Claims

Claim

... which was before the modification of the format-field datum and is not after the **modification** of the format-field  
103

99 The **database** management system of claim 98 wherein a plurality of non-head tables in a room...

...cable being connected by a wire in the automatic mini-cable to exactly one partial **record** in the child table, the user-data- **changing** means, in creating I 0 a **record** involving a parent partial record of an automatic mini-cable after creating all necessary format...a record in the room being dependent upon the field set of the record, a **first record** in the room having a different field set than a **second record** in the room, the retrieving-and-viewing means, upon request to **switch** the view from the **first record** to the **second record**, automatically **changing** the layout of the datums and field identifiers in accordance with the variant-record-view...key vector is associated with each partial record in each table, a plurality of partial **records** in a table having the **same** key vector being prohibited by the static data organization rules, a key meta-vector being...

...the requested change as being incompatible with the data organization rules in that the requested **change** would result in a plurality of partial **records** having the **same** key vector.

I 0

133. The method of claim 131 further comprising the step:  
causing...

...marked partial record in a table to have their key fields either on display or **readily** accessible for display, the marked partial **record** being a partial record selected for marking by a user, the marked partial record being...

...to the phantom record in the parent table or the request includes a specification for  
**changing** phantom-partial- **record** -connected wires to non-phantom partial records in the parent table, then commanding the meta...descendent table of the primary table via a downward path, each partial record in the **secondary** matrix being a descendent partial **record** of a marked partial record in the primary matrix via the downward path, the marked...

...steps:

responding to a user request to mark a partial record by:  
marking the partial **record** and unmarking any other marked partial **records**; **changing** the datums in the secondary matrix in accordance with the change in marking. 140. The...

...particular basis vector and being a summary of information contained in

one or more partial **records** having the **same** basis vector in the base table of the grouping table, the basis vectors of all...the topological graph, the link being represented by the first link cable wire connecting the **first** -node partial **record** in the node table or a hitch-pin-table partial record associated with the first node to the link-table partial record and the second link cable wire connecting the **second** -node partial **record** in the node table or a hitch-pintable partial record associated with the second node...

11/5,K/52 (Item 31 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00511582 \*\*Image available\*\*

**FILE SYSTEM PERFORMANCE ENHANCEMENT**

**AMELIORATION DU RENDEMENT DES SYSTEMES DE FICHIERS**

Patent Applicant/Assignee:

STORM SYSTEMS LLC,  
FAULKNER Michael R,

Inventor(s):

FAULKNER Michael R,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9942934 A2 19990826

Application: WO 99US3710 19990219 (PCT/WO US9903710)

Priority Application: US 9875929 19980220

Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES

FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU

LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA

UG US UZ VN YU ZW GH GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM

AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM

GA GN GW ML MR NE SN TD TG

Main International Patent Class: G06F-017/30

Publication Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 19174

**English Abstract**

Methods and apparatus that enhance the performance of computer file systems, and in particular the performance of read-only operations in such file systems. The invention can be implemented in a suite of computer program modules that together make up a performance enhancement product. The invention can transparently exist in an operating system after an initial setup is completed. The initial setup involves identifying what directories or files are to be monitored in order to intercept access requests for those files and to respond to those requests with enhanced performance. A system administrator can specify what directories or files are to be monitored. A high-performance index of monitored directories or files is maintained. When a monitored file is opened, a file identifier used, thereby bypassing the access of any directory meta data information. In one embodiment, access to monitored files is enhanced by pinning files in the data cache maintained by the file system cache manager.

**French Abstract**

L'invention porte sur des procedes et un appareil visant a ameliorer le rendement des systemes de fichiers informatiques, et notamment les operations de consultation de ces systemes de fichiers. Cette invention peut etre appliquee dans une suite de modules de programmes informatiques qui constituent un produit d'amelioration du rendement. Cette invention peut exister en mode transparent dans un systeme d'exploitation apres realisation d'une mise en oeuvre initiale. Cette mise oeuvre consiste a identifier les annuaires ou fichiers a controler de facon a intercepter des demandes d'accès pour ces fichiers et a mieux repondre a ces demandes. Un administrateur de systemes peut indiquer quels sont les annuaires ou fichiers a controler. Un repertoire haut rendement des

annuaires ou fichiers est maintenu. Lorsqu'un fichier controle est ouvert, un identificateur de fichiers est utilise, detournant ainsi l'acces a toutes metadonnees de l'annuaire. Selon une realisation, on a un meilleur acces aux fichiers controles en rassemblant les fichiers dans l'antememoire de donnees conservee par le gestionnaire d'antememoire des systemes de fichiers.

Fulltext Availability:  
Detailed Description

#### Detailed Description

... be done; however, PerformanceSuite always generates the name for the file. By default both the **primary** and secondary files are identified at the root directory of ...Properties Dialogue that gives the user the capability of moving the primary and secondary map **files** into other directories. There is an Advanced Lookup File Properties Dialogue Drive which is a...

...lists information about all drives and directories that PerformanceSuite is monitoring and each drive's **primary** and **secondary** map **file** locations. The information listed in this tab is read-only. The only functionality available to...directories associated with the given volume. For data synchronization purposes, each volume really has a **primary** and **secondary** map **file** associated with it at any given time. The **secondary file** is a copy of the **primary file**, which is refreshed whenever **updates** have to occur and is then swapped with the primary file when the updates are...

11/5,K/57 (Item 36 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
(c) 2003 WIPO/Univentio. All rts. reserv.

00391508 \*\*Image available\*\*

**AN AUTOMATED COMMUNICATIONS SYSTEM AND METHOD FOR TRANSFERRING INFORMATION  
BETWEEN DATABASES IN ORDER TO CONTROL AND PROCESS COMMUNICATIONS  
SYSTEME ET PROCEDE DE COMMUNICATIONS AUTOMATISES POUR LE TRANSFERT  
D'INFORMATIONS ENTRE DES BASES DE DONNEES A DES FINS DE COMMANDE ET DE  
TRAITEMENT DES COMMUNICATIONS**

Patent Applicant/Assignee:

INTERMIND CORPORATION,

Inventor(s):

REED Drummond Shattuck,  
HEYMANN Peter Earnshaw,  
MUSHERO Steven Mark,  
JONES Kevin Benard,  
OBERLANDER Jeffrey Todd,  
BANAY Dan,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9732251 A1 19970904

Application: WO 97US3205 19970228 (PCT/WO US9703205)

Priority Application: US 96609115 19960229; US 96722314 19960927

Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES  
FI GB GE HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW  
MX NO NZ PL PT RO RU SD SE SG SI SK TJ TM TR TT UA UG UZ VN GH KE LS MW  
SD SZ UG AM AZ BY KG KZ MD RU TJ TM AT BE CH DE DK ES FI FR GB GR IE IT  
LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG

Main International Patent Class: G06F-011/00

International Patent Class: G06F-11:16; G06F-13:00; G06F-15:00; G06F-15:16;  
G06F-15:30; G06F-17:30; H04M-15:00

Publication Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 92326

English Abstract

An automated communications system operates to transfer data, metadata,



• and methods from a provider computer (1) to a consumer computer (2) through a communications network (3). The transferred information controls the communications relationship, including responses by the consumer computer (2), updating of information, and process for future communications. Information which changes in the provider computer (1) is automatically updated in the consumer computer (2) through the communications system (3) in order to maintain continuity of the relationship. Transfer of metadata and methods permits intelligent processing of information by the consumer computer (2) and combined control by the provider and consumer of the types and content of information subsequently transferred.

#### French Abstract

Cette invention se rapporte a un systeme de communications automatise qui sert au transfert de donnees, de metadonnees et de procedes a partir d'un ordinateur fournisseur (1) a destination d'un ordinateur consommateur (2) par l'intermediaire d'un reseau de communications (3). Les informations transferees commandent la relation de communication, y compris les reponses par l'ordinateur consommateur (2), la mise a jour des informations et des operations de traitement en vue des communications futures. Les informations qui changent dans l'ordinateur fournisseur (1) sont automatiquement mises a jour dans l'ordinateur consommateur (2) par l'intermediaire du systeme de communications (3), afin de maintenir la continuite de la relation. Le transfert des metadonnees et des procedes permet un traitement intelligent des informations par l'ordinateur consommateur (2) et une commande combinee par le fournisseur et le consommateur des types et du contenu des informations ulterieurement transferees.

#### Fulltext Availability:

Detailed Description

#### Detailed Description

... Uniform Resource Locator (URL) requests to retrieve information from the provider and consumer programs and **databases**. A Web browser program is a set of instructions which causes the computer to execute...system. Rules allow the provider database 11 and consumer database 21 to operate as **active** object **databases**, capable of initiating communications, **database** processing, or other procedures based on time, system variables, system events, or other conditions. Rules...

...constraints under which methods operate. The usage of rules to control the operation of an **active** object **database** is discussed generally in Jennifer Widom and Stefano Ceri, **Active Database Systems** (1996), which is incorporated herein by reference.

14/5,K/1 (Item 1 from file: 348)  
DIALOG(R) File 348:EUROPEAN PATENTS  
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01267583

**Method for the transparent exchange of logical volumes in a disk array storage device**

**Verfahren zum transparenten Austausch logischer Volumen in einer Plattenmatrixspeicheranordnung**

**Methode d'echange transparent de volumes logiques dans un dispositif a memoire de disques magnetiques**

PATENT ASSIGNEE:

EMC CORPORATION, (1739002), 171 South Street, Hopkinton, MA 01748, (US),  
(Applicant designated States: all)

INVENTOR:

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Kedem, Ishay, 9 Columbia Street, Brookline, Massachusetts 02446, (US)  
Ofek, Yuval, 20 Lanterns Road, Framingham, Massachusetts 01748, (US)  
Vishlitzky, Natan, 87 Clinton Road, Brookline, Massachusetts 02446, (US)  
Shagam, Eli, 1265 Beacon Street, Brookline, Massachusetts 02146, (US)

LEGAL REPRESENTATIVE:

Warren, Anthony Robert et al (37331), BARON & WARREN, 18 South End,  
Kensington, London W8 5BU, (GB)

PATENT (CC, No, Kind, Date): EP 1093051 A2 010418 (Basic)

APPLICATION (CC, No, Date): EP 307999 000914;

PRIORITY (CC, No, Date): US 396218 990915

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;  
LU; MC; NL; PT; SE

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: G06F-003/06

ABSTRACT EP 1093051 A2

**Load** balancing of activities on physical disk **storage** devices (31A-31E) is accomplished by monitoring **reading** and **writing** operations to blocks of contiguous **storage** locations, such as logical volumes on the physical disk storage devices to obtain disk utilization information . The disk utilization information provides a selection of one block pair. After testing to determine any adverse effect of making that change, an exchange is made to more evenly distribute the **loading** on individual physical disk **storage** devices. The **exchange** involves the use of a pair of specially configured logical **volumes** that receive **copies** of the data to be exchanged, allow a reconfiguration of the blocks in the block pair and the transfer of the data back to the other blocks in the block pair to effect the exchange.

ABSTRACT WORD COUNT: 130

NOTE:

Figure number on first page: 1

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 010418 A2 Published application without search report

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200116	457
SPEC A	(English)	200116	6841
Total word count - document A			7298
Total word count - document B			0
Total word count - documents A + B			7298

...ABSTRACT A2

**Load** balancing of activities on physical disk **storage** devices (31A-31E) is accomplished by monitoring **reading** and **writing** operations to blocks of contiguous **storage** locations, such as logical volumes on the physical disk storage devices to obtain disk utilization  
...

...adverse effect of making that change, an exchange is made to more evenly distribute the **loading** on individual physical disk **storage** devices.

The **exchange** involves the use of a pair of specially configured logical **volumes** that receive **copies** of the data to be exchanged, allow a reconfiguration of the blocks in the block...

14/5,K/2 (Item 2 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
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00831802

File system  
Dateiensystem  
Système de fichiers  
PATENT ASSIGNEE:

MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD., (216883), 1006, Oaza Kadoma,  
Kadoma-shi, Osaka-fu, 571, (JP), (applicant designated states:  
DE;FR;GB)

INVENTOR:

Karibe, Tomoyuki, 3-14-110, Miyukihigashimachi, Neyagawa-shi, Osaka-fu,  
(JP)  
Kokado, Takeshi, 27-1-207, Nishikyuhoji-cho, Okamedani, Fukakusa,  
Fushimi-ku, Kyoto-shi, Osaka-fu, (JP)  
Ito, Yukiko, 6-Nishi 2-320, Sotojima-cho, Moriguchi-shi, Osaka-fu, (JP)  
Tanaka, Tsutomu, 10-5-38, Uegahara, Nishinomiya-shi, Hyogo-ken, (JP)  
Tamai, Masaaki, 2-26-3, Yakumokitamachi, Moriguchi-shi, Osaka-fu, (JP)  
Doi, Shinzo, 2-4-32, Makinohonmachi, Hirakata-shi, Osaka-fu, (JP)

LEGAL REPRESENTATIVE:

Altenburg, Udo, Dipl.-Phys. et al (1268), Patent- und Rechtsanwälte,  
Bardehle . Pagenberg . Dost . Altenburg . Frohwitter . Geissler &  
Partner, Galileiplatz 1, 81679 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 770964 A1 970502 (Basic)

APPLICATION (CC, No, Date): EP 96117157 961025;

PRIORITY (CC, No, Date): JP 95278799 951026; JP 95278813 951026; JP

95278814 951026; JP 96125146 960520; JP 96213556 960813

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS: G06F-017/30;

ABSTRACT EP 770964 A1

When a get resource message arrives from an exterior, a resource allocation part 102 reserves a resource. In case of data reading or data writing, a declared value management part 111 checks parameters and a slot allocation part 103 allocates the resource, thereby constructing an efficient file system guaranteeing delay quality in relation to data reading. As the result, it is possible to provide a file system providing pictures in a quick response time for requests from users and supporting users requiring various regeneration speeds.

ABSTRACT WORD COUNT: 86

LEGAL STATUS (Type, Pub Date, Kind, Text):

Examination: 030806 A1 Date of dispatch of the first examination  
report: 20030624

Application: 970502 A1 Published application (A1with Search Report  
;A2without Search Report)

Examination: 971105 A1 Date of filing of request for examination:  
970909

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPAB97	7899
SPEC A	(English)	EPAB97	39029
Total word count - document A			46928
Total word count - document B			0
Total word count - documents A + B			46928

...CLAIMS each of said maximum value and said used quantity of said handling capacity is a **write** data quantity per unit time.

15. The **file** system according to claim 14, wherein a flag distinguishing reading and writing from each other...

...message by a constant value as said band width to be ensured in case of  
reading .  
16. A file system comprising a plurality of block storage units storing  
data, a single or a plurality...

14/5,K/3 (Item 3 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
(c) 2003 European Patent Office. All rts. reserv.

00433412

Loading apparatus for a disc-shaped record medium.  
Ladegerat fur plattenformigen Aufzeichnungstrager.  
Appareil de chargement de support d'information en forme de disque.  
PATENT ASSIGNEE:

SONY CORPORATION, (214022), 7-35, Kitashinagawa 6-chome Shinagawa-ku,  
Tokyo, (JP), (applicant designated states: DE;FR;GB)

INVENTOR:

Katsuyuki, Obata, c/o Sony Corporation, 7-35 Kitashinagawa 6-chome,  
Shinagawa-ku, Tokyo, (JP)

LEGAL REPRESENTATIVE:

Ayers, Martyn Lewis Stanley et al (42851), J.A. KEMP & CO. 14 South  
Square Gray's Inn, London WC1R 5LX, (GB)

PATENT (CC, No, Kind, Date): EP 416797 A2 910313 (Basic)  
EP 416797 A3 920226

APPLICATION (CC, No, Date): EP 90309393 900828;

PRIORITY (CC, No, Date): JP 89225317 890831

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS: G11B-017/04; G11B-033/08;

CITED PATENTS (EP A): US 4686594 A; FR 2219487 A; DE 3505339 A

CITED REFERENCES (EP A):

PATENT ABSTRACTS OF JAPAN vol. 7, no. 286  
(P-244)(1431) 21 December 1983 & JP-A-58 161 187 ( HITACHI )  
24 September 1983  
PATENT ABSTRACTS OF JAPAN vol. 11, no. 383  
(P-646)15 December 1987 & JP-A-62 149 064 ( MATSUSHITA  
ELECTRIC );

ABSTRACT EP 416797 A2

A loading apparatus for a disc-shaped record medium including a disc  
transport unit including in turn a disc tray adapted to be moveable  
between a position in which it protrudes from a casing of the apparatus  
for exchanging a disc-shaped record medium and a loaded position and a  
unit for suppressing vibrations produced in the disc tray by thrusting  
said disc tray at the loaded position. (see image in original document)

ABSTRACT WORD COUNT: 75

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 910313 A2 Published application (Alwith Search Report  
;A2without Search Report)

Search Report: 920226 A3 Separate publication of the European or  
International search report

Examination: 921007 A2 Date of filing of request for examination:  
920811

Examination: 940105 A2 Date of despatch of first examination report:  
931123

Change: 940713 A2 Representative (change)

Oppn None: 951213 B1 No opposition filed

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	829
CLAIMS B	(German)	EPBBF1	781
CLAIMS B	(French)	EPBBF1	981
SPEC B	(English)	EPBBF1	6248
Total word count - document A			0

Total word count - document B 8839  
Total word count - documents A + B 8839

...CLAIMS B1

1. A **loading** apparatus for a disc-shaped **record** medium comprising disc transport means including a disc tray (24) adapted to be movable between a first position for **exchanging** a disc-shaped **record** medium and a second position for **reproducing** information from and/or **writing** information on the **record** medium by a **read** and/or **write** section (2,6,7,15) and means (46,47) for suppressing vibrations produced in the...

14/5,K/13 (Item 7 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00835932 \*\*Image available\*\*

**DISK DRIVE AND CONTROL METHOD THEREFOR**

**UNITE DE DISQUE ET PROCEDE DE REGLAGE DE L'UNITE DE DISQUE**

Patent Applicant/Assignee:

MATSUSHITA ELECTRIC INDUSTRIAL CO LTD, 1006, Oaza-Kadoma, Kadoma-shi,  
Osaka 571-8501, JP, JP (Residence), JP (Nationality), (For all  
designated states except: US)

Patent Applicant/Inventor:

OKADA Kenji, 63-1, Ohashi-cho, Matsuyama-shi, Ehime 791-1126, JP, JP  
(Residence), JP (Nationality), (Designated only for: US)

Legal Representative:

HIGASHIMA Takaharu (agent), Higashima Patent Office, Daiko Building,  
2-14, Umeda 3-chome, Kita-ku, Osaka-shi, Osaka 530-0001, JP,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200169600 A1 20010920 (WO 0169600)

Application: WO 2001JP1889 20010309 (PCT/WO JP0101889)

Priority Application: JP 200071100 20000314

Designated States: CN ID KR SG US

Main International Patent Class: G11B-019/04

International Patent Class: G11B-019/20

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 32823

English Abstract

A disk drive capable of producing the effect of a balancer even in a variety of reproduction and recording speeds without causing problems owing to the balancer, comprising a balancer in which magnetic balls 1 movably accommodated inside a clamper 6 cancel any imbalance amount of a disk 5, and a detection section 14 provided near the clamper 6 to detect the behavior of the magnetic balls 1.

French Abstract

L'invention porte sur une unite de disque pouvant produire l'effet d'un dispositif d'equilibrage, meme a vitesses de lecture ou d'enregistrement variables, sans causer des problemes imputables au dispositif d'equilibrage. L'unite de disque comprend un dispositif d'equilibrage dans lequel des billes magnetiques (1) mobiles disposees a l'interieur d'un caleur (6) compensent le moindre desequilibre d'un disque (5). L'unite de disque comprend en outre une section de detection (14) disposee a proximite du caleur (6) pour detecter le comportement des billes magnetiques (1).

Legal Status (Type, Date, Text)

Publication 20010920 A1 With international search report.

Publication 20010920 A1 Before the expiration of the time limit for  
amending the claims and to be republished in the  
event of the receipt of amendments.

Fulltext Availability:  
Claims

Claim

... shaped hollow section.

The present invention thus has an action capable of attaining a disk **drive** for stably carrying out **reproduction**, recording or seek operation on the disk.

The invention in accordance with claim 19 of...

...recording

and reproduction. The present invention thus has an action capable of attaining a disk **drive** for stably carrying out **reproduction**, recording or seek operation on the disk.

The invention in accordance with claim 24 of...on the disk. The present invention therefore has an action capable of attaining a disk **drive** for stably carrying out **reproduction**, recording or seek operation on the disk.

Furthermore, it is possible to detect the rotation...

...the disk. The present invention

therefore has an action capable of attaining a disk **drive** for stably carrying out **reproduction**, recording or seek operation on the disk.

Furthermore, it is possible to detect the rotation...

...disk. The present

invention therefore has an action capable of attaining a disk **drive** for stably carrying out **reproduction**, recording or seek operation on the disk.

Furthermore, it is possible to detect the rotation...present invention has an

action capable of attaining a method for controlling a disk **drive** for stably performing **reproduction**, recording or seek operation on the disk at the high rotation speed.

The invention...present invention

has an action capable of attaining a method for controlling a disk **drive** for stably performing **reproduction**, recording or seek operation on the disk at the low rotation speed.

While the novel...

...a first embodiment of the present invention;

FIG. 2 is a flowchart of a speed **switching** process for a disk **drive** in accordance with a second embodiment of the present invention;

FIG - 3 is a flowchart...

...embodiment of the present invention;

FIG. 10 is a flowchart relating to the recording and **reproduction** of a disk **drive** in accordance with a fifth embodiment of the present invention;

FIG. 11 is an actual...

...embodiment of the present invention;

FIG. 17 is a flowchart relating to the recording and **reproduction** of the disk **drive** in accordance with the sixth embodiment of the present invention;

FIG. 18 is a side...to that of the conventional example shown in FIG. 29.

When a disk 5 is **inserted** into a disk **drive** 22, a spin-up process starts.

At step F101, the predetermined parameters of ASP and...

...the last time. The -data

has been stored in the nonvolatile memory of the disk **drive**.

The output of a laser for **reproduction** can be emitted from the

object lens of an optical pickup 15 by the initial...

...optical pickup 15 is applied to the disk.  
Furthermore, when the disk 5 has been **inserted** into the disk **drive** 22, a spindle motor 2 is driven at a constant voltage for a short time...

...position of the absolute address  
in the region of user data so that the disk **drive** is **ready** to accept commands from the host.  
The disk **drive** then carries out **reproduction**, recording, seek operation, etc. in accordance with the commands of the user.  
The magnetic ball...of the disk drive is changed to a higher rotation speed.  
Generally, in the disk **drive**, if information is not **read** or **written** on the disk 5 for a long period of time, the rotation speed of the...

...to reduce power consumption.  
Furthermore, in response to a request from the host, the disk **drive** sometimes carries out speed **switching** operation to raise the rotation speed for reproduction or recording.  
In a case, the current...lowered to the target rotation speed.  
After the target rotation speed is reached, the disk **drive** carries out **reproduction**, recording or seek operation.  
While the disk **drive** carries out **reproduction** or the like, it is preferable that the rotation speed of the disk does not...

...lowered from the FG signal 80 Hz to a desired rotation speed.  
Hereafter, the disk **drive** carries out **reproduction**, **recording** and the like in accordance with commands from the user.  
The magnetic ball...

14/5,K/21 (Item 15 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00760495 \*\*Image available\*\*

**DATA INTEGRITY MONITORING IN TRUSTED COMPUTING ENTITY**  
**CONTROLE DE L'INTEGRITE DES DONNEES DANS UNE UNITE DE CALCUL FIABLE**  
Patent Applicant/Assignee:

HEWLETT-PACKARD COMPANY, 3000 Hanover Street, Palo Alto, CA 94304, US, US  
(Residence), US (Nationality), (For all designated states except: US)

Patent Applicant/Inventor:

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Legal Representative:

LAWRENCE Richard Anthony, Hewlett-Packard Limited, Intellectual Property Section, Filton Road, Stoke Gifford, Bristol BS34 8QZ, GB

Patent and Priority Information (Country, Number, Date):

Patent: WO 200073904 A1 20001207 (WO 0073904)  
Application: WO 2000GB2003 20000525 (PCT/WO GB0002003)  
Priority Application: EP 99304166 19990528

Designated States: JP US

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

Main International Patent Class: G06F-011/00

International Patent Class: G06F-001/00; G06F-012/14

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

## Claims

Fulltext Word Count: 19902

### English Abstract

A method of security monitoring of data files in a computer platform is carried out by a trusted component having a processor and trusted memory area. The method comprises creating one or a plurality of data files in an untrusted memory area of said computing platform, for each created data file, periodically generating a digest data by applying a hash function to each data file, storing the digest data in a trusted memory area and for each file periodically comparing a current digest data of the file with a previously generated digest data of the file. Any differences between a previous and a current digest data indicate that a file in the untrusted memory area has been corrupted.

### French Abstract

L'invention concerne une methode de controle securise de fichiers de donnees sur une plate-forme de calcul, executee par un composant fiable comportant un processeur et une zone de memoire fiable. Cette methode cree un ou plusieurs fichiers de donnees dans une zone de memoire non securisee de ladite plate-forme de calcul, et genere periodiquement, pour chaque fichier de donnees cree, des donnees assimilees en appliquant une fonction de hachage a chaque fichier de donnees. Cette methode enregistre egalement des donnees assimilees dans une zone de memoire fiable, et compare periodiquement, pour chaque fichier, les donnees assimilees courantes du fichier avec les donnees assimilees precedentes dudit fichier. Chaque difference entre les donnees assimilees precedentes et courantes indique qu'un fichier de la memoire non securisee a ete altere.

Legal Status (Type, Date, Text)

Publication 20001207 A1 With international search report.

Publication 20001207 A1 Before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments.

Examination 20010222 Request for preliminary examination prior to end of 19th month from priority date

### Fulltext Availability:

Claims

### Claim

... Security Functions

File Event

803

Ln Ile He Menu 802

801

tart He monitoring

top file monitoring

Enable copy files

Disable copy files

Enable encrypted files

Disable encrypted files

Delete file

Display metrics

Fig. 8

800

r,

Security Functions

File vent

File Menu

to Start file monitoring

file monitoring

Enable copy files

Disable copy files

Enable encrypted

files1

Disab Press confirmation key

Delet



to confirm start  
Dispice  
900  
Figs 9...

...Monitor plurality of selected user data file  
stored in reserved memory area  
1003  
ecord any **changes** to user data **files** store  
in reserved memory area  
1004  
pp y test to whether **changes** are signific  
nifican Yes  
**changest**  
tored clat  
**files** ?  
No  
1006  
Generate alarm data indicating corruption o  
data files  
1007  
Report corruption via display...1209 1208  
eceive inventory of - Send  
files  
Fig\* 12  
1210 1211  
of na  
s  
1212  
**Copy** n  
nto user s  
1213  
opy **files** from user  
space to TC space  
1215  
ed file  
1216 1217  
Indicate done lete file  
with T  
18  
cliges  
1219  
and **file**  
TC  
Figs 12b  
% **SWITCH** -ON  
240  
CCESED  
FIRST?  
s WRITE NEGATIVE 2415  
BOOLEAN VALUE  
24% WRITE POSITIVE  
BOOLEAN VALUE...

...other than minimum documentation to the extent that such documents are  
included in the fields **searched** Electronic **data** **base** consulted  
during the international **search** (name of **data** **base** and, where  
practical, **search** terms used)  
EPO-Internal, PAJ, WPI Data, INSPEC  
C. DOCUMENTS CONSIDERED TO BE RELEVANT  
Category...

14/5,K/22 (Item 16 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00504224 \*\*Image available\*\*

**INFORMATION HANDLING SYSTEM WITH SUSPEND/RESUME OPERATION**  
**SYSTEME DE GESTION D'INFORMATIONS AVEC FONCTION DE SUSPENSION/REPRISE**

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SHIMOTOHNO Susumu,

Inventor(s):

KOHNO Hiroshi,  
SHIMOTOHNO Susumu,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9935576 A1 19990715  
Application: WO 99GB53 19990107 (PCT/WO GB9900053)  
Priority Application: JP 981253 19980107

Designated States: CZ HU IL KR PL RU US AT BE CH CY DE DK ES FI FR GB GR IE  
IT LU MC NL PT SE

Main International Patent Class: G06F-011/14

Publication Language: English

Fulltext Availability:

Detailed Description  
Claims

Fulltext Word Count: 12778

**English Abstract**

Provided is an information handling system and a method of controlling the same which allows the state of the system to be saved without destructing other user data on an external storage device. When a predetermined event occurs, the system saves hibernation information in a hibernation information storing area on a hard disk. A hibernation managing information storing area is provided in the outermost cylinder of the hard disk. A boot sector already exists in the outermost cylinder. Therefore, the hibernation managing information is written in the outermost cylinder after the boot sector has been saved to the hibernation information storing area. After such series of processes have been completed, the system shifts to a hibernation mode. On the other hand, when power feeding to the system is resumed, the hibernation information is read out to check whether or not the system was in the hibernation mode, etc. The hibernation information saved in the hibernation information storing area is restored to the original place and writes the master boot record which was saved to the hibernation information storing area back to the outermost cylinder.

**French Abstract**

Cette invention se rapporte a un systeme de gestion d'informations et a un procede de commande de ce systeme, qui permettent de sauvegarder l'etat du systeme sans detruire les autres donnees d'utilisateur stockees sur un dispositif de memorisation externe. Lorsqu'un evenement predetermine se produit, le systeme sauvegarde les informations d'hibernation dans une zone de stockage des informations d'hibernation se trouvant sur un disque dur. Une zone de stockage des informations de gestion d'hibernation est prevue dans le cylindre exterieur du disque dur. Un secteur d'initialisation se trouve deja dans ce cylindre exterieur. Par consequent, les informations de gestion d'hibernation sont inscrites dans ce cylindre exterieur, apres que le secteur d'initialisation a ete sauvegarde dans la zone de stockage des informations d'hibernation. Une fois terminee cette serie d'operations, le systeme passe en mode d'hibernation. Par ailleurs, lors du retablissement de l'alimentation du systeme, les informations d'hibernation sont extraites pour verifier si le systeme se trouve en mode d'hibernation, notamment. Les informations d'hibernation sauvegardees dans la zone de stockage des informations d'hibernation sont a nouveau stockees a leur emplacement d'origine et le fichier d'initialisation maitre, qui a ete sauvegarde dans la zone de stockage des informations d'hibernation, est inscrit dans ledit cylindre exterieur.

Fulltext Availability:

Claims

## Claim

... to the first to fourth aspects of this invention.

An example of the computer readable **storage** medium is a ROM ( **read** only memory) implemented on a system board of a computer. If the ROM is of a type which is rewritable after erasure (e.g., EEPROM, Electrically Erasable Programmable **Read** Only Memory), the computer readable **storage**

medium in the context of this specification include an **exchangeable storage** medium which is **inserted** in an external **storage** device unit (e.g., a diskette **loaded** in a floppy disk **drive** unit) to **update** the content of

the ROM. When a computer program to be written into the ROM... hibernation file is allocated in a user partition on the hard disk as a single **file** in a **same** level as a user **file** . For ... joystick may be connected to the serial port 32.

The FDD 30 is an external **storage** device for **exchangeably** mounting a floppy disk (FD) as a storage medium. This is well known. The FDD...

14/5,K/23 (Item 17 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00494875 \*\*Image available\*\*

**A SYSTEM AND METHOD OF PROVIDING RESTRAINED, STREAMLINED ACCESS TO A COMPUTERIZED INFORMATION SOURCE**

**SYSTEME ET PROCEDE PERMETTANT DE FOURNIR UN ACCES LIMITE ET ACCELERE A UNE SOURCE D'INFORMATIONS INFORMATISEE**

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IMAGEWORKS MANUFACTURING INC,

Inventor(s):

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KREBS Richard,  
WATSON Richard,  
BECKER Thomas,  
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Patent and Priority Information (Country, Number, Date):

Patent: WO 9926227 A1 19990527

Application: WO 98US24080 19981112 (PCT/WO US9824080)

Priority Application: US 97970029 19971113

Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES

FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV

MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG

UZ VN YU ZW GH GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE

CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN

GW ML MR NE SN TD TG

Main International Patent Class: G09G-005/00

Publication Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 8314

## English Abstract

The present disclosure is directed to a system for providing restrained, streamlined access to a computerized information source. The system, which works in association with a multipurpose computer, includes a discrete article, such as an advertising speciality like a mouse pad (100), having facilities to receive a users input (101), and, in turn, generate a unique predetermined signal based on the input. The system further includes software for configuring the computer to respond to each unique predetermined signal by executing one or more commands (500-507), as selected and stored within the software. Each configuration can be dynamically locked such that the commands to be executed upon the unique input are not alterable without an authorization mechanism, such as a password. The software also responds to receipt to one of the unique

predetermined signals by executing the commands associated with the received signal. A method for performing the same is also disclosed. This system and method face particular application in advertising a business on the Internet, facilitating access to various locations within the domain of an Internet content provider and in managing a computer network.

#### French Abstract

L'invention concerne un systeme permettant de fournir un acces limite et accelere a une source d'informations informatisee. Le systeme, qui fonctionne en association avec un ordinateur polyvalent, comprend un article discret, de type cadeau publicitaire tel que tapis de souris (100), comportant des fonctions qui lui permettent de recevoir une entree utilisateur (101), puis de generer un signal predetermine unique sur la base de ladite entree. Le systeme comprend egalement un logiciel permettant de configurer l'ordinateur, de facon qu'il reponde a chaque signal predetermine en executant une ou plusieurs commandes (500-507) selectionnees et mises en memoire dans ledit logiciel. Chaque configuration peut etre dynamiquement verrouillee de facon que les commandes devant etre executees apres l'entree unique ne puissent etre modifiees sans mecanisme d'autorisation, tel que mot de passe. Le logiciel repond egalement de facon a recevoir l'un des signaux predetermines en executant les commandes associees au signal recu. L'invention concerne egalement un procede qui permet de mettre en oeuvre les elements ci-dessus. Ce systeme et ce procede peuvent etre notamment utilises pour faire la publicite d'une entreprise sur Internet, pour faciliter l'accès aux divers sites du domaine d'un fournisseur d'Internet et pour gerer un reseau informatique.

#### Fulltext Availability:

Claims

#### Claim

... Internet, an intranet or extranet, the configuration routine locates a preexisting browser program within the **storage** devices of computer 11 toward integrating **same** with software 101. Most browser programs operate identically to accept Internet addresses from external sources...or WAN. This functionality will simplify the tasks involved with network administration, by allowing the **modification** of a single **switch** set definition **file** that affects all of the users on a network via mouse pad 100 and software...

...embodiment, the configuration routine will also create various icons, program groups, a de-installer, a **readme file** and the user interface. Further, in some embodiments, the configuration routine may also load optional...not current to the global file, the global file is downloaded to the local configuration **file** and an **update** log register is **updated** with the date of the update, step 302. It is also contemplated that a similar...logons to various servers. Through the capabilities of the present inventive system, any network configuration **changes** can be placed in a general **file** on the network in the path known to software 101 to contain switch set data...

14/5,K/27 (Item 21 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00125788

IMPROVED METHOD OF STORAGE AND RETRIEVAL OF INFORMATION STORED ON VIDEO  
MEDIA  
PROCEDE AMELIORE DE STOCKAGE ET D'EXTRACTION D'INFORMATIONS STOCKEES SUR  
DES SUPPORTS VIDEO

Patent Applicant/Assignee:

INDEX DATA PROGRAMMES LIMITED,

BLACKBURN Donald George,  
Inventor(s):  
BLACKBURN Donald George,  
Patent and Priority Information (Country, Number, Date):  
Patent: WO 8504042 A1 19850912  
Application: WO 85GB81 19850228 (PCT/WO GB8500081)  
Priority Application: GB 845429 19840301  
Designated States: AT AU BE CH DE FR GB JP LU NL SE SU US  
Main International Patent Class: G11B-027/30  
International Patent Class: G11B-27:10; H04N-05:94  
Publication Language: English  
Fulltext Availability:  
Detailed Description  
Claims  
Fulltext Word Count: 14275

#### English Abstract

Method and apparatus for the storage and retrieval of data records capable of being displayed on a television receiver. Video signals are generated from the records to be stored by means of a television camera or other video signal source and are written on to a video record medium such as a video tape or a laser disk, and there is inserted into the frame blanking intervals of each record so stored an index code or address uniquely identifying that record. Retrieval is by inputting the index code of a stored record, the apparatus then searching for the record having that index code within its frame blanking intervals, reading it off the record medium and displaying it.

#### French Abstract

Procede et dispositif pour le stockage et l'extraction d'enregistrement de donnees pouvant etre visualisees sur un recepteur de television. Des signaux video sont generes a partir des enregistrements a stocker a l'aide d'une camera video ou d'une autre source de signaux video et sont ecrits sur un support d'enregistrement video tel qu'une bande video ou un disque lu par laser, et dans les intervalles de suppression du cadre de chaque enregistrement ainsi stocke est insere un code d'index ou une adresse identifiant cet enregistrement d'une maniere unique. L'extraction est obtenue en introduisant le code d'index d'un enregistrement stocke, ce qui provoque la recherche par l'appareil de l'enregistrement possedant ce code d'index dans ses intervalles de suppression du cadre, la lecture de l'enregistrement et sa visualisation a partir du support d'enregistrement.

Fulltext Availability:  
Claims

#### Claim

... record  
entered by, for example, a keyboard is compared with the index code of the **record** currently present and the 25 **reading** /writing device is **shifted** in relation to the **record** disk according to an angular computation based on the location of the record currently present recording and retrieval of data **records** capable of being **reproduced** on a television receiver or monitor comprising:  
a video **record storage** medium and means for **writing** data **records** on to and **reading** data **records** from said medium;  
a television camera or other video signal source for generating from the...

...the  
-frame blanking intervals of each coded data record an index code uniquely indentifying that **record**, said video 15 signals and said **inserted** index codes being recorded on said **storage** medium by said **writing** means;  
means for inputting the index-code of a stored data **record** that is to be retrieved; and

**search** means responsive to the inputting of an  
20 index code to **search** the **records** stored on the **record** medium  
until a stored record is found having a frame blanking  
interval index code matching the inputted code, said stored  
**record** with the matching index code being **read** from the **record**  
medium and the resulting re-generated-video signal being  
25 transmitted to the television receiver...

16/5,K/3 (Item 3 from file: 348)  
DIALOG(R) File 348:EUROPEAN PATENTS  
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00950443

File management apparatus, file management method, and recording medium  
containing file management program

Dateiverwaltungsgerat, Dateiverwaltungsverfahren und Aufzeichnungsmedium  
mit Dateiverwaltungsprogramm

Dispositif de gestion de fichiers, methode de gestion de fichiers et  
support d'enregistrement contenant un programme de gestion de fichiers

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Miyazaki, Masaya, Osakafu Ikedashi Asahigaoka 1-6-14, 563-0022, (JP)

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PATENT (CC, No, Kind, Date): EP 862108 A2 980902 (Basic)

APPLICATION (CC, No, Date): EP 98103354 980226;

PRIORITY (CC, No, Date): JP 9746401 970228

DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU;  
MC; NL; PT; SE

INTERNATIONAL PATENT CLASS: G06F-003/06

ABSTRACT EP 862108 A2

A file management apparatus is used in an information processor using a media exchange type storage device comprising a plurality of storage media, at least one data access device, and a storage media exchanging means as an external storage device, and the file management apparatus includes a data block management means for dividing storage regions of the respective storage media into data blocks of fixed capacity and managing the use states of the divided data blocks; and a data block allocation means for allocating unused data blocks shown by the data block management means to a file to which a writing request from the information processor has been given, wherein data writing of the file to which the writing request has been given is performed to the data blocks allocated by the data block allocation means, using the storage media exchanging means and the data access device; and at the start of file writing, the storage medium having the most unused data blocks which are shown by the data block management means is selected as a medium for writing. Therefore, it is possible to create a file which is read with less exchange of storage media during the reading process. Further, even when the file size is unknown at the start of file writing, it is immediately proved that the file cannot be written to any other storage medium when a writing error occurs due to shortage of the capacity of the selected storage medium. Accordingly, the writing process of the file does not need to be retried.

ABSTRACT WORD COUNT: 259

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 980902 A2 Published application (Alwith Search Report  
;A2without Search Report)

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	9836	3304
SPEC A	(English)	9836	17152
Total word count - document A			20456
Total word count - document B			0
Total word count - documents A + B			20456

INTERNATIONAL PATENT CLASS: G06F-003/06

...SPECIFICATION means for allocating unused data blocks shown by the data block management means to a **file** to which a **writing** request from the information processor has been given, wherein data **writing** of the **file** to which the **writing** request has been given is performed to the data blocks allocated by the data block...

...the storage media exchanging means and the data access device; and at the start of **file writing**, the **storage** medium having the most unused data blocks which are shown by the data block management means is selected as a medium for **writing**. Therefore, it is possible to create a **file** which is **read** with less **exchange** of **storage** media during the **reading** process. Further, even when the **file** size is unknown at the start of **file writing**, it is immediately proved that the **file** cannot be **written** to any other **storage** medium when a **writing** error occurs due to shortage of the capacity of the selected **storage** medium. Accordingly, the **writing** process of the **file** does not need to be retried.

According to a second aspect of the present invention...are shown by the data block management process is selected as a disk to be **written**. Therefore, it is possible to create a **file** which is **read** with less **exchange** of **storage** media during the **reading** process. Further, even when the **file** size is unknown at the start of **file writing**, it is immediately proved that the **file** cannot be **written** to any other **storage** medium when a **writing** error occurs due to shortage of the capacity of the selected **storage** medium. Accordingly, the **writing** process of the **file** does not need to be retried.

According to a fourteenth aspect of the present invention...

...are shown by the data block management process is selected as a disk to be **written**. Therefore, it is possible to create a **file** which is **read** with less **exchange** of **storage** media during the **reading** process. Further, even when the **file** size is unknown at the start of **file writing**, it is immediately proved that the **file** cannot be **written** to any other **storage** medium when a **writing** error occurs due to shortage of the capacity of the selected **storage** medium. Accordingly, the **writing** process of the **file** does not need to be retried.

According to a sixteenth aspect of the present invention...

16/5,K/8 (Item 8 from file: 348)  
DIALOG(R) File 348:EUROPEAN PATENTS  
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00483856

**Apparatus and method for accessing data in a data processing system including an automated storage library.**

**Gerat und Verfahren zum Zugriff auf Daten in einem Datenverarbeitungssystem mit einer automatischen Speicherbibliothek.**

**Appareil et procede pour avoir acces a des donnees dans un systeme de traitement de donnees comprenant une bibliotheque de memoire automatisee.**

**PATENT ASSIGNEE:**

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Willson, Dennis Lee, 7855 East Pinon Circle, Tucson, Arizona 85715, (US)

**LEGAL REPRESENTATIVE:**

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**PATENT (CC, No, Kind, Date):** EP 458567 A2 911127 (Basic)  
EP 458567 A3 920513

**APPLICATION (CC, No, Date):** EP 91304538 910520;

**PRIORITY (CC, No, Date):** US 525590 900521



DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS: G11B-027/00; G11B-015/68; **G06F-012/08**

CITED PATENTS (EP A): US 4864438 A; US 4527262 A

ABSTRACT EP 458567 A2

A method for servicing a mount request in an automated storage library (1) in which all of the peripheral storage devices (4) therein are occupied and which permits an active data storage medium to be temporarily demounted and subsequently remounted in any subsequently available peripheral storage device is disclosed. To service a mount request requiring that a data storage medium be demounted, the access information for the data storage medium to be demounted is first retained. After demounting and servicing of the mount request, the retained access information is used to permit remounting of the previously mounted data storage medium in any subsequently available peripheral storage device, thereby minimizing the risk of delay in remounting. The method also allows for optional parameters to prevent temporary demounting in an automated storage library, or to prevent temporary demounting of particular data storage media. The method allows access to more data storage media than there are peripheral storage devices by temporarily demounting the least recently used data storage media. (see image in original document)

ABSTRACT WORD COUNT: 173

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 911127 A2 Published application (Alwith Search Report ;A2without Search Report)

Examination: 920226 A2 Date of filing of request for examination: 911219

Search Report: 920513 A3 Separate publication of the European or International search report

Examination: 940928 A2 Date of despatch of first examination report: 940817

Withdrawal: 960515 A2 Date on which the European patent application was withdrawn: 960325

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF1	444
SPEC A	(English)	EPABF1	12544
Total word count - document A			12988
Total word count - document B			0
Total word count - documents A + B			12988

...INTERNATIONAL PATENT CLASS: **G06F-012/08**

...SPECIFICATION from those criteria used during the periodic review of the activity of drives 4.

A **drive** 4 can physically **write** to or **read** from only one optical disk at any given time. A request to mount a volume...

...there are drives 4 by temporarily demounting the least recently used volume. The temporarily demounted **volume** is referred to as "**swapped out**" and the newly mounted **volume** is referred to as "**swapped in**". The **drive** specific information for the drive 4 is deleted from the active DCB 114 but the...

...the volume, the appropriate virtual list DCB is deleted from the linked list and the **volume** specific information **copied** into the active DCB 114 for the appropriate drive 4. Because such access information is retained, a **volume** that has been **swapped out** under the virtual **drive** option is still considered active and under access. Also, remounting of a **volume** that has been **swapped out** can occur in any **drive** 4 so long as the access information is provided to the active DCB 114 for...

...is not tied to the original drive 4 in which the volume is mounted. A **volume** that has been **swapped out** will not logically appear to be in its home storage cell 3 as remounting must be distinguished from the

mounting of a **volume** that has not been **swapped** out. The actual number of drives 4 in the library is thus transparent to users. In alternative embodiments, additional virtual eligibility option parameters can be used to specify only certain **volumes** as eligible for **swapping** to prevent churn for **volumes** frequently accessed.

Referring to the drawings, the high level operations of system controller 17 will...

16/5,K/19 (Item 19 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
(c) 2003 European Patent Office. All rts. reserv.

00263660

**Parallel data processing apparatus and method.**

**Paralleldatenverarbeitungsvorrichtung und -verfahren.**

**Dispositif et methode pour le traitement parallel de donnees.**

PATENT ASSIGNEE:

NIPPON TELEGRAPH AND TELEPHONE CORPORATION, (686330), 1-6 Uchisaiwaicho  
1-chome Chiyoda-ku, Tokyo, (JP), (applicant designated states: DE)

INVENTOR:

Takahashi, Junichi, 1048-305, Kawaraguchi Ebina-shi, Kanagawa-ken, (JP)  
Kimura, Takashi, Shii-ai-haitsu 304 1356, Yamazaki-cho, Machida-shi Tokyo,  
(JP)

LEGAL REPRESENTATIVE:

Schwabe, Hans-Georg, Dipl.-Ing. et al (10921), Patentanwalte Schwabe,  
Sandmair, Marx Stuntzstrasse 16, W-8000 Munchen 80, (DE)

PATENT (CC, No, Kind, Date): EP 269995 A2 880608 (Basic)  
EP 269995 A3 890322  
EP 269995 B1 930623

APPLICATION (CC, No, Date): EP 87117412 871125;

PRIORITY (CC, No, Date): JP 86280848 861127

DESIGNATED STATES: DE

INTERNATIONAL PATENT CLASS: G06F-015/76 ; G06F-013/16

CITED PATENTS (EP A): DE 3506749 A; EP 187994 A; WO 8201777 A

CITED REFERENCES (EP A):

PROCEEDINGS OF THE CONFERENCE ON PATTERN RECOGNITION AND IMAGE

PROCESSING, Las Vegas, Nevada, 14th - 17th June 1982, pages 692-697,  
IEEE, New York, US; L. CIMINIERA et al.: "VLSI structures for speech  
analysis and pattern recognition"

PROCEEDINGS OF THE 1985 INTERNATIONAL CONFERENCE ON PARALLEL PROCESSING,  
Pennsylvania, 20th - 23rd August 1985, pages 674-680, IEEE, New York,  
US; R. GINOSAR et al.: "Design and implementation of switching systems  
for parallel processors"

PATENT ABSTRACTS OF JAPAN, vol. 8, no. 157 (P-288) 1594 , 20th July 1984;  
& JP-A-59 53 957 (SANYO DENKI K.K.) 28-03-1984

MICROPROCESSORS & MICROSYSTEMS, vol. 5, no. 6, July/August 1981, pages  
241-245. IPC Business Press, Whitstable, Kent, GB; B. BRAUNLEDER et  
al.: "Parallel processing with an array of microcomputers"

PROCEEDINGS OF THE INTERNATIONAL CONFERENCE ON ACOUSTICS, SPEECH, AND  
SIGNAL PROCESSING 1987, Dallas, Texas, 6th - 9th April 1987, vol. 1,  
pages 499-502, IEEE, New York, US; J.-I. TAKAHASHI et al.: "A flexible  
linear array oriented VLSI processor for continuous speech recognition"

;

ABSTRACT EP 269995 A2

A parallel data processing apparatus comprises three data storage areas, wherein each of said three data storage areas has means for receiving data from an external apparatus through a data reception terminal, means for transmitting data to the external apparatus through a data transmission terminal, and means for supplying data to a computation execution unit and receiving computation results. Said three storage areas can be exclusively and cyclically switched in data reception, data transmission, data computation write and read modes. The said apparatus is further comprising means for controlling the mode switching, means for executing desired computation based on the data, and means for controlling the computation.

ABSTRACT WORD COUNT: 111

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 880608 A2 Published application (Alwith Search Report  
;A2without Search Report)  
Change: 890301 A2 Obligatory supplementary classification  
(change)  
Search Report: 890322 A3 Separate publication of the European or  
International search report  
Examination: 890809 A2 Date of filing of request for examination:  
890607  
Examination: 910619 A2 Date of despatch of first examination report:  
910506  
Change: 930303 A2 Representative (change)  
Grant: 930623 B1 Granted patent  
Oppn None: 940615 B1 No opposition filed

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	2115
CLAIMS B	(German)	EPBBF1	1646
CLAIMS B	(French)	EPBBF1	2504
SPEC B	(English)	EPBBF1	5229
Total word count - document A			0
Total word count - document B			11494
Total word count - documents A + B			11494

INTERNATIONAL PATENT CLASS: G06F-015/76 ...

... G06F-013/16

...SPECIFICATION B for setting one data storage area in an no-operation state, and setting other **two** data **storage** areas in a data computation write-only mode and a **data** computation **read** -only mode, are alternately switched, so that the three data storage areas are selectively and...

...data transmission mode (in state A), no-operation mode (in state B), the data reception **mode** (in state **A** ), and the data computation **read** -only mode (in state B), thereby parallelly executing data reception, data transmission, and data computation processing.

A case will be described wherein cumulative distance calculation in Dynamic Time Warping of **speech** recognition is executed using a **linear** array processor consisting of processing elements (PE) each having the arrangement **shown** in Fig. 5 and a **means** for executing the six-state **cyclical** mode transition control method shown in Fig. 15.

The cumulative distance calculation (to be referred...

16/5,K/33 (Item 13 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00549705 \*\*Image available\*\*

METHOD FOR EXCHANGING VOLUMES IN A DISK ARRAY STORAGE DEVICE

PROCEDE POUR ECHANGER DES VOLUMES DANS UN DISPOSITIF A MEMOIRE A DISQUES  
MAGNETIQUES

Patent Applicant/Assignee:

EMC CORPORATION,

Inventor(s):

BACHMAT Eitan,

OFEK Yuval,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200013078 A1 20000309 (WO 0013078)

Application: WO 99US18601 19990816 (PCT/WO US9918601)

Priority Application: US 98143684 19980828

Designated States: JP KR AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT  
SE

Main International Patent Class: G06F-003/06

Publication Language: English  
Fulltext Availability:  
Detailed Description  
Claims  
Fulltext Word Count: 10094

#### English Abstract

Load balancing of activities on physical disk storage devices is accomplished by monitoring reading and writing operations to blocks of contiguous storage locations on the physical disk storage devices. A list of exchangeable pairs of blocks is developed based on size and function. Statistics accumulated over an interval are then used to obtain access activity values for each block and each physical disk drive. A statistical analysis leads to a selection of one block pair. After testing to determine any adverse effect of making that change, the exchange is made to more evenly distribute the loading on individual physical disk storage devices.

#### French Abstract

L'invention permet d'assurer un equilibre du chargement des activites sur des dispositifs physiques a memoire a disques magnetiques, grace a un controle des operations de lecture et d'ecriture dans des blocs d'emplacements de memoire compris dans ces dispositifs physiques a memoires a disques magnetiques. Une liste de paires de blocs echangeables est developpee en fonction de la taille et de la fonction. Les statistiques accumulees sur un intervalle sont ensuite utilisees pour obtenir des valeurs d'activite d'acces pour chaque bloc et pour chaque lecteur de disques physique, une analyse statistique permettant par ailleurs de selectionner une paire de blocs. Apres avoir effectue un controle destine a determiner tout effet defavorable provoque par ce changement, on procede a l'echange afin de repartir plus equitalement le chargement sur differents dispositifs physiques a memoires a disques magnetiques.

Main International Patent Class: **G06F-003/06**

Fulltext Availability:  
Detailed Description

#### Detailed Description

... LVI define one exchangeable pair. Thus in this particular embodiment there are twenty-seven possible **exchangeable** pairs of logical **volumes** .

In step 64, the **load** balance program uses the accumulated statistics and read-hit ratio to produce a read-miss...

...value corresponds to the number of read operations that require access to a physical disk **drive** for data, a **read** -hit being a **reading** operation that finds the requested data in the cache memory 33 of FIG. 2. When...

16/5,K/34 (Item 14 from file: 349)  
DIALOG(R) File 349:PCT FULLTEXT  
(c) 2003 WIPO/Univentio. All rts. reserv.

00418955 \*\*Image available\*\*

**DISTRIBUTED ARCHITECTURE FOR AN INTELLIGENT NETWORKING COPROCESSOR**  
**ARCHITECTURE REPARTIE POUR COPROCESSEUR DE GESTION DE RESEAU INTELLIGENT**

Patent Applicant/Assignee:

CORNELL RESEARCH FOUNDATION INC,

Inventor(s):

FRIEDMAN Roy,  
BIRMAN Kenneth P,  
LESZCZYNSKI Nicholas G,

SCHNEIDER Mark C,  
Patent and Priority Information (Country, Number, Date):  
Patent: WO 9809416 A1 19980305  
Application: WO 97US15207 19970828 (PCT/WO US9715207)  
Priority Application: US 96705423 19960829  
Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES  
FI GB GE HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW  
MX NO NZ PL PT RO RU SD SE SG SI SK TJ TM TR TT UA UG UZ VN GH KE LS MW  
SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH DE DK ES FI FR GB GR IE  
IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG  
Main International Patent Class: H04M-001/24  
International Patent Class: H04M-07:00; H01J-01:00; **G06F-07:00**  
Publication Language: English  
Fulltext Availability:  
Detailed Description  
Claims  
Fulltext Word Count: 8150

#### English Abstract

Group communication technology, such as the Horus process, is used to implement a fault-tolerant high performance, reactive, real-time distributed IN coprocessor (14). The architecture of the distributed IN coprocessor (14) comprises workstation clusters, external adaptors (20a and 20b), and an update interface (24) interconnected by high speed communication links. Each workstation of the IN architecture represents a query element (22), so all the databases used by the IN coprocessor (14) in the course of servicing incoming request are split between query elements (22), provided that each of the workstation has access to the information stored in a certain database or databases. Group communication systems provide necessary features for managing and obtaining high reliability and operability of the IN coprocessor (14) including failure detection, notification of other members of the system about the failures, reconfiguration of the system to exclude failed members, bringing back into the system the members that have been recovered, and updating the recovered or new members according to the new state of the system.

#### French Abstract

On utilise la technologie de communication de groupe, tel que le processus Horus, pour mettre en oeuvre un coprocesseur (14) de gestion de reseau intelligent (IN) reparti en temps reel, reactif, haute performance et tolerant aux fautes. Ledit coprocesseur IN reparti (14) comporte des grappes de postes de travail, des adaptateurs externes (20a & 20b), et une interface de mise a jour (24) interconnectee par des liaisons de communication grande vitesse. Chaque poste de travail de l'architecture IN represente un element d'interrogation (22) de sorte que toutes les banques de donnees utilisees par le coprocesseur IN (14) au cours du traitement des demandes entrantes soient divisees en elements d'interrogation (22), a condition que chaque station de base ait acces aux informations memorisees dans une ou plusieurs bases de donnees. Les systemes de communication de groupe produisent les caracteristiques necessaires pour la gestion et la production d'une grande fiabilite et exploitabilite du coprocesseur (14), dont la detection de defaillances, la notification d'autres membres du systeme concernant les defaillances, la reconfiguration du systeme pour l'exclusion des membres defaillants, le retour dans le systeme des membres ayant ete repris ou de nouveaux membres en fonction de l'etat du systeme.

...International Patent Class: **G06F-07:00**  
Fulltext Availability:  
Detailed Description

#### Detailed Description

... not be  
functionally similar to a STP described earlier.

The QEs have access to the **data - base**, and are responsible for executing the **queries** that are sent to

the QEs by the **switch** . Each entry in the **data - base** is held by more than one QE, which means that the **database** is **replicated** for increased availability. The UI is an interface through which **updates** to the **database** are initiated.

It should be understood that the present invention can be built and practiced...

16/5,K/36 (Item 16 from file: 349)  
DIALOG(R) File 349:PCT FULLTEXT  
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00368296 \*\*Image available\*\*

**COHERENT FILE SYSTEM ACCESS DURING DEFRAGMENTATION OPERATIONS ON A STORAGE MEDIA**

**ACCES COHERENT A UN SYSTEME DE FICHER AU COURS D'OPERATIONS DE DEFRAGMENTATION SUR UN SUPPORT-MEMOIRE**

Patent Applicant/Assignee:

SYMANTEC CORPORATION,

Inventor(s):

COHEN Leonardo,

KENNEDY Mark Kevin,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9708623 A1 19970306

Application: WO 96US3683 19960318 (PCT/WO US9603683)

Priority Application: US 95518674 19950823

Designated States: CA AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE

Main International Patent Class: **G06F-013/00**

International Patent Class: **G06F-13:14 ; G06F-13:22**

Publication Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 5009

**English Abstract**

A file defragmentation utility for a computer system (10) is disclosed that enables multithreaded preemptive multi-tasking during file defragmentation. The utility includes a defragmentor (60) routine that defragments clusters or portions of a file on a storage media (18) and then updates one or more file system structures to indicate the new locations of the defragmented clusters of the file. An alias driver (16) is provided that traps accesses to the file and that maintains coherent access to the file while the file system structures are updated.

**French Abstract**

Programme utilitaire de defragmentation de fichier pour systeme informatique (10) autorisant un fonctionnement multitache par logique de preemption multifilieres au cours d'une defragmentation de fichiers. Le programme utilitaire comporte un sous-programme de defragmentation (60) qui defragmente des grappes ou des parties de fichier sur un support-memoire (18), puis met a jour une ou plusieurs structures de systeme de fichiers pour indiquer les nouveaux emplacements des grappes defragmentees du fichier. Un lecteur de pseudonyme (16) assure le piegage des acces au fichier et maintient un acces coherent au fichier pendant la mise a jour des structures de systeme de fichier.

Main International Patent Class: **G06F-013/00**

International Patent Class: **G06F-13:14 ...**

**... G06F-13:22**

Fulltext Availability:

Detailed Description

Detailed Description

... 248, the disk alias driver 82 determines whether

the trapped IOS write command specifies a **read** or **write** to the old **swap file** portion that was recently **cloned** to a contiguous area of the disk **drive 16**. This determination is made by comparing the sector and delta value write parameters of the trapped IOS send command with the sector and delta value parameters of the old **swap file** cluster.

File 275:Gale Group Computer DB(TM) 1983-2003/Oct 23  
     (c) 2003 The Gale Group  
 File 621:Gale Group New Prod.Annou.(R) 1985-2003/Oct 24  
     (c) 2003 The Gale Group  
 File 636:Gale Group Newsletter DB(TM) 1987-2003/Oct 23  
     (c) 2003 The Gale Group  
 File 16:Gale Group PROMT(R) 1990-2003/Oct 23  
     (c) 2003 The Gale Group  
 File 160:Gale Group PROMT(R) 1972-1989  
     (c) 1999 The Gale Group  
 File 148:Gale Group Trade & Industry DB 1976-2003/Oct 24  
     (c)2003 The Gale Group  
 File 624:McGraw-Hill Publications 1985-2003/Oct 23  
     (c) 2003 McGraw-Hill Co. Inc  
 File 15:ABI/Inform(R) 1971-2003/Oct 23  
     (c) 2003 ProQuest Info&Learning  
 File 647:CMP Computer Fulltext 1988-2003/Sep W3  
     (c) 2003 CMP Media, LLC  
 File 674:Computer News Fulltext 1989-2003/Oct W2  
     (c) 2003 IDG Communications  
 File 696:DIALOG Telecom. Newsletters 1995-2003/Oct 23  
     (c) 2003 The Dialog Corp.  
 File 369:New Scientist 1994-2003/Oct W2  
     (c) 2003 Reed Business Information Ltd.  
 File 810:Business Wire 1986-1999/Feb 28  
     (c) 1999 Business Wire  
 File 813:PR Newswire 1987-1999/Apr 30  
     (c) 1999 PR Newswire Association Inc  
 File 610:Business Wire 1999-2003/Oct 24  
     (c) 2003 Business Wire.  
 File 613:PR Newswire 1999-2003/Oct 24  
     (c) 2003 PR Newswire Association Inc

Set	Items	Description
S1	10382954	DATABASE? ? OR DATA()BASE? ? OR REPOSITOR??? OR FILE? ? OR RECORD? ? OR DRIVE OR STORAGE OR VOLUME? ?
S2	220887	(FIRST? OR PRIMARY OR MAIN OR ACTIVE OR LIVE) (5W)S1
S3	208603	(SECOND? OR 2ND OR TWO) (5W)S1
S4	534	S2(5N)S3(5N) (COPY OR COPIE? ? OR DUPLICAT? OR REPLICA? OR - REPRODUC? OR SAME OR IDENTICAL? OR MIRROR? OR CLON???)
S5	337617	(QUERY??? OR QUERIE? ? OR SEARCH??? OR READ???) (7N)S1
S6	589068	(WRIT??? OR INSERT??? OR UPDAT? OR CHANG??? OR MODIF???? OR MODIFICATION? ? OR EDIT??? OR AMEND??? OR LOAD???) (7N)S1
S7	560655	S1(5N) (SWITCH??? OR TOGGL??? OR FLIP???? OR SHIFT??? OR EX-CHANG? OR SWAP???)
S8	4	S4(S)S5(S)S6(S)S7
S9	316497	S1(7N) (COPY OR COPIE? ? OR DUPLICAT? OR REPLICA? OR REPROD-UC? OR SAME OR IDENTICAL? OR MIRROR? OR CLON???)
S10	8	S9(S)S2(S)S3(S)S5(S)S6(S)S7
S11	944	S5(S)S6(S)S7
S12	132	S9(S)S5(S)S6(S)S7
S13	89	RD (unique items)
S14	52	S13 NOT PD>20000211
S15	11	S8 OR S10
S16	8	RD (unique items)
S17	7	S16 NOT S14
S18	140375	(QUERY??? OR QUERIE? ? OR SEARCH??? OR READ???) (7N) (DATABA-SE? ? OR DATA()BASE? ?)
S19	73361	(WRIT??? OR INSERT??? OR UPDAT???) (7N) (DATABASE? ? OR DATA-()BASE? ?)
S20	9654	(DATABASE? ? OR DATA()BASE? ?) (7N) (SWITCH??? OR FLIP???? OR SHIFT???)
S21	38	S18(S)S19(S)S20
S22	30	RD (unique items)
S23	28	S22 NOT (S14 OR S17)



**14/3,K/1 (Item 1 from file: 275)**

DIALOG(R)File 275:Gale Group Computer DB(TM)

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02026413 SUPPLIER NUMBER: 19046033 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**Data defenders. (backup solutions for the desktop) (includes related articles on backup software advances, mirroring, shopping tips, modular solutions) (includes related product-comparison charts and guide to drive types) (Buyers Guide)**

Stone, M. David

Computer Shopper, v17, n2, p365(17)

Feb, 1997

DOCUMENT TYPE: Buyers Guide ISSN: 0886-0556 LANGUAGE: English

RECORD TYPE: Fulltext; Abstract

WORD COUNT: 7285 LINE COUNT: 00532

... ones; /C continues copying after an error (which you will get when XCOPY tries copying the open Windows swap file); /H copies hidden and system files; /R overwrites read-only files; /K copies file attributes as well as the files themselves. The result should be an exact copy of your C: drive.

Next, repeat the copy, adding the /M switch to set the archive bit off on all the files. The archive bit lets XCOPY and other backup schemes keep track of which files have been modified since the last backup. The next time you copy with /M, XCOPY will copy only those files that have been modified since the previous backup.

To make future backups easier, save the XCOPY command (complete with the /M switch) as a batch file. To speed up...

**14/3,K/2 (Item 2 from file: 275)**

DIALOG(R)File 275:Gale Group Computer DB(TM)

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01888644 SUPPLIER NUMBER: 17956818 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**Picture this. (document imaging) (includes related articles about use of document management systems and the Perfect Information database) (IT in the City) (Company Business and Marketing)**

Hobby, Jason

Computer Weekly, p60(2)

Nov 30, 1995

ISSN: 0010-4787 LANGUAGE: English RECORD TYPE: Fulltext; Abstract

WORD COUNT: 990 LINE COUNT: 00083

ABSTRACT: Perfect Information (PI) provides online images of financial documents for Stock Exchange listings. Users of the database are able to search, print and view copies of documents, such as reports, circulars and Regulatory News Service announcements. PI is planning to upgrade its database, changing from a FileNet optical disk jukebox to a RAID system for faster access. The company will also start using high-speed digital scanners, which will...

**14/3,K/3 (Item 3 from file: 275)**

DIALOG(R)File 275:Gale Group Computer DB(TM)

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01866172 SUPPLIER NUMBER: 17621996 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**Try before you buy; great software on the honor system. (evaluation of eight shareware programs) (Computer Shopper Buying Guide) (Software Review) (Evaluation)**

Gralla, Preston

Computer Shopper, v15, nSPEISS, p368(2)

Nov-Dec, 1995

DOCUMENT TYPE: Evaluation ISSN: 0886-0556 LANGUAGE: English

RECORD TYPE: Fulltext; Abstract

WORD COUNT: 991 LINE COUNT: 00098

... rush.

#### Paint Shop Pro

JASC's Paint Shop Pro is a necessity for anyone who creates, uses, or views pictures on a PC. The program **reads files** in every image format you can name and in many you've probably never heard of. It also converts **files** between formats, and gives you sophisticated graphics- **editing** tools, including the ability to **flip** , **mirror** , and rotate **files** and add special effects and filters.

If you want to scan in graphics or capture screen images from other applications, you can do that, too...

#### 14/3,K/4 (Item 4 from file: 275)

DIALOG(R)File 275:Gale Group Computer DB(TM)

(c) 2003 The Gale Group. All rts. reserv.

01834387 SUPPLIER NUMBER: 17397003 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**Tricks up your sleeve. (tips for managing LANs) (The Networker) (Network**

**Edition: First Looks) (Column) (Brief Article)**

Danielle, Diane

PC Magazine, v14, n16, pNE57(1)

Sep 26, 1995

DOCUMENT TYPE: Column Brief Article ISSN: 0888-8507 LANGUAGE:

English RECORD TYPE: Fulltext

WORD COUNT: 508 LINE COUNT: 00041

... INI manager that will let you use an environment variable. If you don't need such fine control over the contents of the SYSTEM.INI **file** , simply **copy** both the SPART .PAR **file** and SYSTEM.INI to the local hard disk after you've created the permanent **swap file** . Before you **load** Windows, check to see if those **files** exist on the desktop; if so, then just copy them to the server. You'll always have a correctly matched pair. Remember that SPART.PAR is created as a **READ ONLY file** , so you'll need to **change** the attribute.

Diane Danielle, an independent networking consultant, can be reached on CompuServe at 72241,2566 or MCI Mail at 383-1159.

#### 14/3,K/5 (Item 5 from file: 275)

DIALOG(R)File 275:Gale Group Computer DB(TM)

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01706275 SUPPLIER NUMBER: 16269588 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**Data toolkit for Clipper maintains .DBF files. (The Technology Management**

**Group's Xbase Data Toolkit 1.5) (1994 Comdex Guide) (Brief Article)**

**(Product Announcement)**

Data Based Advisor, v12, n10, p79(1)

Oct, 1994

DOCUMENT TYPE: Product Announcement ISSN: 0740-5200 LANGUAGE:

ENGLISH RECORD TYPE: FULLTEXT

WORD COUNT: 182 LINE COUNT: 00016

Canadian Gov. Booth - For data **editng** and **database** maintenance, visit this booth. The xBase Data Toolkit (XDK) version 1.5 (for Clipper developers) creates, manipulates, and maintains .DBF files. Components include COMMAND PROMPT...

...like, network-aware commands, and SPEED KEY, which features accelerated interaction, executes DOS commands and evaluates Clipper expressions. Data editing is equipped with automatic mode **switching** (SHARED, READONLY, EXCLUSIVE) and **record** -locking mechanism. Feature-rich Browse includes dynamic column scaling, single- **record** screen **switching** , column freezing, **searching** , etc. Comprehensive analysis allows detection of index corruptions. Smart index checking prevents use of invalid index **files** and promotes index-sensitive **editing** . RDD supports NTX, IDX, MDX, CDX formats and more. Programmer utilities include one-way synchronized **file copy** , text **search** and replace, etc. Interaction with XDK is informative and intuitive with shading of deleted records; displaying

progress status bar; selecting via pick lists; **switching** by area number; opening **files** by typing filename; printing multiple structures side by side; etc.

14/3,K/6 (Item 6 from file: 275)  
DIALOG(R)File 275:Gale Group Computer DB(TM)  
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01670447 SUPPLIER NUMBER: 15040595 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Synchronize your computers with UPDATE. (programming utility for transferring data files) (includes related articles on UPDATE's format and how to download PC Magazine's utilities) (PC Tech: Utilities) (Column)**

Aitken, Peter G.  
PC Magazine, v13, n6, p287(4)  
March 29, 1994  
DOCUMENT TYPE: Column ISSN: 0888-8507 LANGUAGE: ENGLISH  
RECORD TYPE: FULLTEXT; ABSTRACT  
WORD COUNT: 3191 LINE COUNT: 00235

... verify a file transfer or track down the most recent version of a file.

The third switch, /Q (for "quick"), is relevant only when using **UPDATE** to transfer **files** between a path and a drive (the second method described above). It's not uncommon for a large hard disk to contain more than one file with the same name located in different subdirectories. When **UPDATE** finds a **file** on the **drive** that is newer or older than the matching file on the path, its default is to ask the user whether to **copy** the **file**. If the user answers no, **UPDATE** continues **searching** the drive for other instances of the **file**. If the answer is yes, **UPDATE** copies the **file** and then starts **searching** for the next **file**. But this prevents using **UPDATE** in a batch **file**. With the /Q **switch**, **UPDATE** automatically **copies** the newer version over the older version without querying the user and then moves on to the next file. Warning: This can be a dangerous option. You risk, for example, overwriting the wrong **README.TXT file**. Use the /Q option with extreme care.

**UPDATE** can be run in a Windows DOS session. In fact, that's how I use it most of the time. Each of my transfer disks...

14/3,K/7 (Item 7 from file: 275)  
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01618206 SUPPLIER NUMBER: 14348140 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**The hard drive bench test, part two: the truth about caching: is hardware or software better? (includes related article on testing methods)**  
O'Brien, Bill  
Computer Shopper, v13, n10, p580(3)  
Oct, 1993  
ISSN: 0886-0556 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT  
WORD COUNT: 2031 LINE COUNT: 00151

... it rose from 53.8 for the bare drive to 153.8 with 2Mb of software cache applied--a 186 percent increase. Sequential and random **writes** benefited greatly with 32Mb, 16Mb, and 8Mb **file** sizes. Random **reads** improved at and below the 4Mb **file** level, and the throughput rate for sequential **reads** outdid the bare **drive** results at and below the 1Mb file size. The CP30544 reached its fastest throughput rate, 9.5 Mb/sec, doing sequential **reads** with a 4K **record** in a 256K **file**.

**Switching** to 4Mb of software cache again improved the Disk Harmonic, this time to 243.6. Its overall boost took a toll on sequential reads, which were slower than those achieved with 2Mb of cache through the 32Mb, 16Mb, 8Mb, and 4Mb **file** sizes. Sequential and random **writes**, however, were faster through those same **file** sizes.

It was only at the 2Mb file size that sequential reads improved over their 2Mb cache level, but everything else fell off the pace...

**14/3,K/8 (Item 8 from file: 275)**  
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01596394 SUPPLIER NUMBER: 13772761 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Squeegee 1.0. (Icon Simulations) (Software Review) (one of 10 evaluations of desktop management software packages in 'The Many Faces of Windows') (Buyer's Guide: Desktop Managers) (Evaluation)**  
Gilliand, Steve  
PC Sources, v4, n5, p271(1)  
May, 1993  
DOCUMENT TYPE: Evaluation ISSN: 1052-6579 LANGUAGE: ENGLISH  
RECORD TYPE: FULLTEXT; ABSTRACT  
WORD COUNT: 305 LINE COUNT: 00023

...ABSTRACT: applications to be launched by priority or alphabetically. Squeegee can be configured to automatically launch an application and all associated data files simultaneously. The Quick **File** facility allows users to run, **edit**, search for, delete, **copy** and move **files**. Although its **file** management tools are not sophisticated, they provide solid functionality.

**14/3,K/9 (Item 9 from file: 275)**  
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01549298 SUPPLIER NUMBER: 13229254 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Bulletin boards. (computer BBSs)**  
Computer Shopper, v12, n12, p765(44)  
Dec, 1992  
ISSN: 0886-0556 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT  
WORD COUNT: 73106 LINE COUNT: 05573

... MS-DOS 80386; 1,079Mb running QuickBBS 2.75 with US Robotics at up to 57,600 bps. Established 08/89; no fee. 1.2Gb **drive** and 6-disc CD-ROM online. Many echomail areas and online games. New files daily.  
North Highlands 334-2773. The Ultimate BBS with sysop Brian...100Mb running Maximus 2.00 with Hayes at up to 2,400 bps. Established 03/92; no fee. FidoNet 1:141/980. User-chosen echoes. **Files** and USBBS list **updated** monthly.  
East Hartford 528-5831. Warrior BBS with sysop Mario Carrano. 1 line operating on a MS-DOS 80386; 260Mb running Telegard 2.7 with...

**14/3,K/10 (Item 10 from file: 275)**  
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01512363 SUPPLIER NUMBER: 12222029 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Double duty database. (Software Review) (Omnis 7 data base engine or SQL front end from Blyth Software of Foster City, California) (Evaluation)**  
Fogel, Steve  
LAN Magazine, v7, n5, p149(3)  
May, 1992  
DOCUMENT TYPE: Evaluation ISSN: 0898-0012 LANGUAGE: ENGLISH  
RECORD TYPE: FULLTEXT; ABSTRACT  
WORD COUNT: 2189 LINE COUNT: 00169

... separate features for each. For example, Omnis 7 supports balloon help and AppleEvents for Macintosh System 7 and supports a "help bar" and Dynamic Data **Exchange** for Windows.  
**Database** engine: At the core of Omnis 7 is its multiuser relational database engine. An Omnis program can have dozens of files open simultaneously, display fields from multiple **files** on a single window, and **update** all open **files** with a single command. Built-in indexes

provide good performance when **searching** and when linking **files** in a relational fashion with primary and foreign keys. In addition, Omnis 7 offers its own brand of hierarchical file linking, called the Omnis connection...

**14/3,K/11** (Item 11 from file: 275)  
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01509956 SUPPLIER NUMBER: 12077254 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**PC-to-Mac file exchange: a range of approaches. (products for converting files between IBM PC and Macintosh) (includes related articles on file formats, glossary of Macintosh terms, Apple System 7, AppleTalk and the OSI model)**

Rizzo, John  
PC Magazine, v11, n9, p181(9)  
May 12, 1992

ISSN: 0888-8507 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT  
WORD COUNT: 6541 LINE COUNT: 00502

... the image contained in the file. EPS files are commonly used to exchange image data between application programs. Many Mac and PC graphics packages can **read** and **write** EPS **files**, although EPS formats are not always the **same**. Adobe Illustrator's 88 EPS format is supported by several Mac applications.

extension mapping The process of assigning Macintosh creator and type codes to a...

**14/3,K/12** (Item 12 from file: 275)  
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01496621 SUPPLIER NUMBER: 11887163 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Tutor. (column) (Tutorial)**  
Prosise, Jeff  
PC Magazine, v11, n4, p335(2)  
Feb 25, 1992  
DOCUMENT TYPE: Tutorial ISSN: 0888-8507 LANGUAGE: ENGLISH  
RECORD TYPE: FULLTEXT  
WORD COUNT: 1575 LINE COUNT: 00114

... merely creates the E: alias for drive B:, allowing COPY to work. It has no control over when or how often access to either logical **drive** occurs.

**COPY** **copies** **files** from **drive** B: to E: by **reading** the entire contents of one **file**, if it requires less than 64K, from B: into memory; if it requires more than 64K, COPY reads just the first 64K. Next, COPY attempts...

...to E:. At this point, DRIVER.SYS, realizing that B: and E: represent the same physical device, prompts you to remove the current disk and **insert** the one for **drive** E:. After copying the data, COPY returns to **drive** B:, either to **read** the next **file** or anything still remaining from the first. Once again, DRIVER.SYS intervenes, asking you to reinsert the disk for drive B:. The process repeats until...

**14/3,K/13** (Item 13 from file: 275)  
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01496520 SUPPLIER NUMBER: 11723524 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Virus-proof your PC. (Software Review) (Overview of 11 evaluations of antivirus software for IBM-compatible microcomputers) (Evaluation)**  
Taylor, Wendy; White, Ron; Gralla, Preston; Reed, Sandy  
PC-Computing, v5, n2, p122(12)

Feb, 1992

DOCUMENT TYPE: Evaluation ISSN: 0899-1847 LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 1669 LINE COUNT: 00127

... s normal boot sector, and installs itself in its place. From then on, every time you turn on your PC, the virus loads into memory-- **ready** to infect any floppy you access.

**File** viruses **replicate** by attaching themselves to executable **files** . When you execute the **file** , the virus **loads** into memory and infects what it finds there, or it **searches** for other program **files** in which to insinuate itself. **Exchange** of infected floppy disks and infected programs among coworkers is the most common route that viruses travel. But the NCSA reports documented cases of viruses...

14/3,K/14 (Item 14 from file: 275)

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01493298 SUPPLIER NUMBER: 11644176 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**Reflections on fault tolerance: when your LAN breaks, seven years bad luck is getting off easy. (strategies for protecting local area networks from power- and disk-related failures) (Tutorial)**

Moslehi, Farid

LAN Technology, v8, n1, p35(5)

Jan, 1992

DOCUMENT TYPE: Tutorial ISSN: 1042-4695 LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 3115 LINE COUNT: 00233

... in the workstation and handles all DOS I/O activity (in principle, not unlike the concept behind the Nonstop Networks strategy discussed above). The client **reads** from the primary **file** server and writes to the primary and secondary **file** servers.

The **Mirroring** monitor runs on a dedicated personal computer and coordinates the traffic between clients and file servers. The monitor logs the activity of the clients, so...

14/3,K/15 (Item 15 from file: 275)

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01454977 SUPPLIER NUMBER: 11437563 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**Designers seek standards, formats to resolve file-exchange problems.**

**(includes related article on current and emerging standards)**

Goldberg, Cheryl J.

MacWEEK, v5, n36, p40(2)

Oct 22, 1991

ISSN: 0892-8118 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 1058 LINE COUNT: 00089

...ABSTRACT: specialized file-format standards to deal with the problem. Computer artists who wish to share work with their colleagues currently must have a program that **writes** and **reads** the **same file** format. With the plethora of graphics tools available for the Apple Macintosh, that necessity is not always likely. Vendors say that a single standard is...

...more, not fewer, standards. Users attempting to work in the face of so many standards will have to take solace in filters and third-party **file exchange** programs.

... graphic artists. Although these tools give designers tremendous flexibility in their work, the use of varied file formats causes problems when it comes time to **exchange files** with other artists. Unless two products write and **read the same file** format, they can't even open, much less **edit** , each other's **files** .

Unfortunately, relief is unlikely to come in a form that's elegant

for users, such as a single, all-encompassing file format. Vendors insist that...

**14/3,K/16 (Item 16 from file: 275)**  
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01418313 SUPPLIER NUMBER: 09798673 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**DR DOS 5.0: the better operating system? (Digital Research Inc.'s operating system) (includes related articles on differences between MS-DOS and DR DOS, the origin of MS-DOS and expected features of MS-DOS 5.0) (Software Review) (evaluation)**  
Rosch, Winn L.  
PC Magazine, v10, n3, p241(9)  
Feb 12, 1991  
DOCUMENT TYPE: evaluation ISSN: 0888-8507 LANGUAGE: ENGLISH  
RECORD TYPE: FULLTEXT; ABSTRACT  
WORD COUNT: 6133 LINE COUNT: 00451

... 0 files. This command allows you to completely hide individual files or directories from the view of unauthorized people, and to restrict those who may **read**, **erase**, or **change files**. All the DR DOS 5.0 commands understand this password system. Using a protected file is simply a matter of appending the assigned password after a semicolon at the end of a filename in the command. With the global access **switch**, you can access all the **files** on an entire disk that use the **same** password without using the password on each one. That way vintage programs that don't understand the password system will still work properly with protected...

**14/3,K/17 (Item 17 from file: 275)**  
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01367808 SUPPLIER NUMBER: 08693414 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**New databases for old. (Software Review) (Oracle SQL) (evaluation)**  
Sanders, Jerry  
PC User, n136, p40(4)  
July 4, 1990  
DOCUMENT TYPE: evaluation ISSN: 0263-5720 LANGUAGE: ENGLISH  
RECORD TYPE: FULLTEXT; ABSTRACT  
WORD COUNT: 3875 LINE COUNT: 00309

... have to conclude that if you were to decide that's a good idea, then you probably don't need to switch from fileserving to **database** serving anyway, especially when the **change** -over is going to cost you several tens of thousands of pounds just in hardware, and software, let alone training and administration costs. Some sample comparison timings, showing the difference between the **same queries** running under a fileserver and the **database** server architectures, are given in the Benchmark Results box.

#### Installation

We now come to installation. First take your database server hardware. In our case, this...

**14/3,K/18 (Item 18 from file: 275)**  
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01353002 SUPPLIER NUMBER: 08289886 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Microsoft C version 6.0 provides an integrated development environment.**  
Bergman, Noel J.  
Microsoft Systems Journal, v5, n2, p53(10)  
March, 1990  
ISSN: 0889-9932 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT  
WORD COUNT: 6340 LINE COUNT: 00474

... the ability to go back and install a new library set when you need it will undoubtedly prove very useful to people with limited disk storage

The / **COPY switch** , another useful **switch** , decompresses files --the C 6.0 package is so large that Microsoft compressed all the files . This **switch** not only decompresses the requested **file** , it knows exactly which disk needs to be **inserted** to find the **file** . This means no more **searching** through all the subdirectories on a half dozen floppy disks. The /HELP switch lists and explains all of the available options.

After the files have...

**14/3,K/19 (Item 19 from file: 275)**  
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01316764 SUPPLIER NUMBER: 07921286 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Give yourself a smart DOS command line with ALIAS. (includes tear-out summary of DOS commands) (Utilities) (technical)**  
Prosise, Jeff; Boling, Douglas  
PC Magazine, v8, n22, p253(8)  
Dec 26, 1989  
DOCUMENT TYPE: technical ISSN: 0888-8507 LANGUAGE: ENGLISH  
RECORD TYPE: FULLTEXT; ABSTRACT  
WORD COUNT: 5900 LINE COUNT: 00436

... command file. The command line is copied into the file buffer and treated as a one-line file. If the command line contains an/F **switch** to **load** in a command **file** , **ALIAS reads** the **file** into the **file** buffer, allowing it to overwrite the text of the command line. If then resets a pointer to address the start of the file and processes each line of the **file** .

Each alias and command-line **switch** is parsed by scanning a line until a character is found. If a forward slash is found, the character immediately following it is compared with...

**14/3,K/20 (Item 20 from file: 275)**  
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01309816 SUPPLIER NUMBER: 07486474 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**SELECTed basics. (Second in a series) (Hands-on SQL) (column)**  
Sayles, Jonathan S.  
Data Based Advisor, v7, n8, p37(4)  
August, 1989  
DOCUMENT TYPE: column ISSN: 0740-5200 LANGUAGE: ENGLISH  
RECORD TYPE: FULLTEXT; ABSTRACT  
WORD COUNT: 1549 LINE COUNT: 00120

In the July issue of **Data Based Advisor** we defined and loaded our PC Parts **database** (see Fig. 1) with SQL CREATE and **INSERT** statements. (If you'd like to build a **copy** of the PC Parts **database** used in this series, you can get it on the July Program Disk or from the **Data Based Advisor Readers Exchange** , (619) 270-2042.) This month I'll examine the basic SELECT statement--used to extract information from tables in a relational database.

SELECT is one...

**14/3,K/21 (Item 21 from file: 275)**  
DIALOG(R)File 275:Gale Group Computer DB(TM)  
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01303271 SUPPLIER NUMBER: 07550796 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Tandy DeskMate: the poor man's Windows. (The Corporate Micro) (column)**  
Seymour, Jim



PC Week, v6, n33, p10(1)

August 21, 1989

DOCUMENT TYPE: column ISSN: 0740-1604 LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 559 LINE COUNT: 00041

... standard 1-2-3 version 2.01, but without macros, hooks for add-ins or support of EMS. The new 1-2-3/DeskMate can **read** and **write** .WK1 **files**, so it's highly compatible on the **file - exchange** level with any other **copy** of 1-2-3 you're likely to run into.

Symantec's Q&A Write for DeskMate tracks the program's standard release even more...

**14/3,K/22 (Item 22 from file: 275)**

DIALOG(R)File 275:Gale Group Computer DB(TM)

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01286759 SUPPLIER NUMBER: 07070862 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**Mac SE-30: packed with power and a 32-bit bus. (Hardware Review) (First Look) (evaluation)**

Guterman, Jimmy

PC Week, v6, n7, p77(2)

Feb 20, 1989

DOCUMENT TYPE: evaluation ISSN: 0740-1604 LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 1005 LINE COUNT: 00075

... to call the same old program -- Apple File Exchange -- to translate the DOS data into Macintosh-readable information. Getting the Mac SE/30's internal **drive** to **read** and **write** to DOS disks is impressive, but users must still drop their application and call up a second program to import the data.

This is a...

**14/3,K/23 (Item 23 from file: 275)**

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01246221 SUPPLIER NUMBER: 06810901 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**Can you relate? The answer to a reader's question lets us take another look at relational databases. (1-2-3 Macros)**

Gasteiger, Daniel

Lotus, v4, n7, p24(6)

July, 1988

ISSN: 8756-7334 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 3409 LINE COUNT: 00255

... visit dates and erases the disk file that contains them. It then extracts the menus that were served on the dates the customer visited.

TWO **FILES**, ONE DISK

To **modify** this system so that it works with two files stored on a single disk, don't create the intermediary file named SWITCHER. Simply omit that worksheet from the disk, and replace the file name SWITCHER in cell 18 of the macro in the GUESTS **file** with the name MENUS.

By the same token, omit the **SWITCHER file** if you have a two-disk system. In this case, you should start with the GUESTS disk in the default disk drive and put the...

**14/3,K/24 (Item 24 from file: 275)**

DIALOG(R)File 275:Gale Group Computer DB(TM)

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01209074 SUPPLIER NUMBER: 06126676 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**PC tutor. (productivity) (column)**

Hummel, Robert L.; Petzold, Charles

PC Magazine, v6, n17, p487(4)

Oct 13, 1987

DOCUMENT TYPE: column ISSN: 0888-8507 LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT

WORD COUNT: 1897 LINE COUNT: 00138

... is incorrect. Raymond Martin Temple, Texas

DRIVER.SYS was IBM's solution to the problem of letting us copy files between disks using the same **drive**. The large number of disk **changes** required by DOS during a copy is caused by the copy commands themselves. The COPY command copies one file at a time from source to target. If you issue the command **COPY A:\*. \* D:\*. \***

DOS will **read** one **file** from the source diskette in **drive** A:, ask you to **swap** diskettes, and **write** that one **file** to the target diskette in logical **drive** D:. To **read** the next **file**, it must ask you to replace the source diskette and begin again. Using this method to **copy** more than one **file**, or a large **file** that must be transferred in pieces, can become tiring very quickly.

XCOPY.COM, a recent DOS addition, will read as many files from the source...

14/3,K/25 (Item 25 from file: 275)

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01208301 SUPPLIER NUMBER: 06169182 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**Answers to your questions about Lotus products. (Q & A) (letter to the editor)**

Marcil, Ian; Duhaine, Gary; Price, Charles W.; Knowlton, Craig F.; Tryder, Don; Blackwell, Joanna; Friedman, Kenneth J.; Oakland, Sarah

Lotus, v3, n1, p97(3)

Jan, 1987

DOCUMENT TYPE: letter to the editor ISSN: 8756-7334 LANGUAGE:

ENGLISH RECORD TYPE: FULLTEXT

WORD COUNT: 2401 LINE COUNT: 00192

... an error waiting to cause me problems down the road?

-Ian Marcil, North American Real Estate, Dallas, Tex.-

A. An IBM AT's high-density **drive** cannot **read** Symphony Release 1's **copy** protection without switching to low-density mode. The high-density **drive** shouldn't have a problem **reading** 1-2-3. In Symphony **insert** the Program Disk in **drive** A and enter dir a: at a DOS prompt. A DOS command such as Dir **switches** the high-density **drive** to low-density if there is a low-density disk in the **drive**, thus allowing the program to **read** the **copy** protection.

In your case, it is unlikely that the problem is your System Disk.

When a disk works on one computer and not another, the...

14/3,K/26 (Item 26 from file: 275)

DIALOG(R)File 275:Gale Group Computer DB(TM)

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01177729 SUPPLIER NUMBER: 04316847 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**Flat-file databases. (Software Review) (evaluation)**

Krasnoff, Barbara

PC Magazine, v5, n14, p269(23)

Aug, 1986

DOCUMENT TYPE: evaluation ISSN: 0888-8507 LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 13991 LINE COUNT: 01070

... Data is finally installed and you've read IBM's version of War and Peace, the clean and easy menu-driven program is a refreshing **change**. PDS Data opens to the **Files** menu, which offers choices such as Define File; Define Sort; Define Additional Index, which lets you build up to six additional definitions if you want more than one way to access your

**records** ; Enter Data; **Query File** , which selects **records** with If-And-Or logic, displays or prints records, totals values, and performs calculations on two numeric values; and **Copy File** for **cloning** , reformatting, and converting **files** from BASIC, TEXT, or DIF files to indexed and direct files. From a window on each module's opening screen, you can **switch** among the **Files** Menu, Applications Menu (for creating procedures), Communications Menu, and Utilities Menu (for maintaining libraries).

Function key commands appropriate to the menu you're in are...

**14/3,K/27 (Item 27 from file: 275)**  
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01152659 SUPPLIER NUMBER: 00593975 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**The Best of 1984 and Some of the Worst.**  
Krasnoff, B.  
PC Magazine, v4, n1, p139-149  
Jan. 8, 1985  
DOCUMENT TYPE: evaluation ISSN: 0888-8507 LANGUAGE: ENGLISH  
RECORD TYPE: FULLTEXT; ABSTRACT  
WORD COUNT: 8133 LINE COUNT: 00614

... 100) different 5-1/4-inch floppy disk formats to IBM disks. (It can move programs, but most will not run on inhospitable computers.) Xeno- **Copy** -Plus lets you send **files** both ways-- **reading** , **writing** , and even formatting any of the multiplicity of disk formats. Finally, you can **exchange files** with friends and associates who own machines whose names you've never heard before (except if they should be Apple, Commodore, Franklin, or Atari).

Xeno...

**14/3,K/28 (Item 1 from file: 621)**  
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)  
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02133455 Supplier Number: 55297420 (USE FORMAT 7 FOR FULLTEXT)  
**Advanced Imaging Magazine Honors Norstan Consulting With "Solution of the Year".**  
Business Wire, p0412  
July 29, 1999  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 474

... technologies" for the solution. XIOTech supplied its Magnitude SAN in a Box, which is an intelligent RAID subsystem with an integrated 8-point Fibre Channel **switch** and logical **volume** management software. Mercury Systems provided its newly developed SANergy software that allows multiple hosts to **read** and **write** to the **same storage volume** via the SAN.

With a worldwide circulation of 60,00, Advanced Imaging Magazine, is dedicated to providing the latest information on imaging software, software and...

**14/3,K/29 (Item 2 from file: 621)**  
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)  
(c) 2003 The Gale Group. All rts. reserv.

01397667 Supplier Number: 46491888 (USE FORMAT 7 FOR FULLTEXT)  
**FAILURE TOLERANT PASSIVE BACKPLANE INDUSTRIAL PC**  
News Release, pN/A  
June 25, 1996  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 383

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

...power supplies and disk mirrored, RAID 1, dual hard drives with hardware RAID 1 control. The SCSI RAID controller incorporates disk cacheing for high speed **read** performance. In the event of a hard **drive** failure the RAID controller will automatically **switch** to the **mirrored drive**. In the event of a power supply failure, the remaining supply which has been sharing the load will automatically assume the full **load**. Neither hard **drive** nor power supply failure will cause a system malfunction or data loss. The system sounds an audible alarm and energizes a visual indicator if any power supply fails and provides an on-screen diagnostic message if a hard **drive** fails. This "hot **swap**" model allows replacement of a defective power supply or hard drive while the computer is operating normally. A hard drive, if replaced, is then rebuilt...

**14/3,K/30 (Item 1 from file: 636)**

DIALOG(R)File 636:Gale Group Newsletter DB(TM)

(c) 2003 The Gale Group. All rts. reserv.

04041892 Supplier Number: 53410712 (USE FORMAT 7 FOR FULLTEXT)

**SERVERS FOR CAD - Part 1.**

Computer Aided Design Report, v18, n9, pNA

Sept, 1998

Language: English Record Type: Fulltext

Document Type: Newsletter; Trade

Word Count: 1612

... the network, distributing e--mail, and running product data management (PDM) software that tracks the locations of CAD models, drawings, and other engineering files. Superficially, **file** and compute servers are made of the **same** stuff: microprocessors, RAM and ROM, disk drives, power supplies, and network interfaces. From a buyer's perspective the difference between these two classes is in...

...of the multiprocessing ability. Lastly, compute servers must be equipped with enough RAM to permit the largest executable program you plan to use to be **loaded** without **swapping** to and from disk **storage**. (See the June 1998 CAD Report for discussion of memory requirements.) In general, for compute--serving applications, the systems with the highest single--processor floating...

...platform for a CAD data--management system, such as SDRC's Team Data Manager or PTC's Pro/Intralink, it doesn't change the picture. **Queries** to the underlying Oracle, Informix, or SQL **databases** are integer--based and involve relatively rudimentary chores. If you are shopping for a file server, the CPU performance will be less important than the...

**14/3,K/31 (Item 2 from file: 636)**

DIALOG(R)File 636:Gale Group Newsletter DB(TM)

(c) 2003 The Gale Group. All rts. reserv.

01083096 Supplier Number: 40704106 (USE FORMAT 7 FOR FULLTEXT)

**MULTIPLE OPTIONS FOR DATABASE ACCESS THROUGH NETWORKING**

Online Libraries & Microcomputers, v7, n3, pN/A

March, 1989

Language: English Record Type: Fulltext

Document Type: Newsletter; Professional Trade

Word Count: 1271

... institutional mainframe using an appropriate text retrieval package (popular choices seem to be BRS/On-Site and Battelle's BASIS).

The advantage of a locally **loaded database** on a larger system, is that multiple users from many workstations can use the **files** at one time. Also, since the **same search** software will be used for each **database**, the patron will not need to learn different **search** protocols when **switching files**. Many **database** producers are realizing this new trend

in the industry and are coming out with reasonably priced magnetic tape leasing fees which do not have connect...

**14/3,K/32 (Item 3 from file: 636)**  
DIALOG(R)File 636:Gale Group Newsletter DB(TM)  
(c) 2003 The Gale Group. All rts. reserv.

01081299 Supplier Number: 40699398 (USE FORMAT 7 FOR FULLTEXT)  
**CONCORDANCE UPDATE INTEGRATES CD-ROM SUPPORT AND SPEED**  
CD Computing News, v3, n3, pN/A  
March, 1989  
Language: English Record Type: Fulltext  
Document Type: Newsletter; Trade  
Word Count: 399

... features are standard in Concordance for OS/2. The program automatically provides full file and record locking for all operating modes. It works by allowing **searchers** to query, browse, and report with **records** that are locked in **edit** mode by other users. The OS/2 version will index a database twice as fast as the DOS version. The multitasking operating system allows workers to hot-ky between several library-size **databases**, a feat that DOS cannot **duplicate**. Users will want to **switch** to OS/2 for large **database** and work-group projects.

Concordance can handle any form of text information management. The integrated software system includes support for free text and fixed-length  
...

**14/3,K/33 (Item 1 from file: 16)**  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2003 The Gale Group. All rts. reserv.

09203495 Supplier Number: 78268048 (USE FORMAT 7 FOR FULLTEXT)  
**SUITE SENSATIONS. (Evaluation)**  
KELLNER, MARK A.  
Government Computer News, v18, n14, p16  
May, 1999  
Language: English Record Type: Fulltext  
Article Type: Evaluation  
Document Type: Magazine/Journal; Professional Trade  
Word Count: 2634

... 782-7022 trial versions can be  
www.stardivision.com downloaded free for  
personal use

Weigh six factors  
\* Compatibility. Can an office suite open and save **files** in earlier formats of the **same** product line? Can it **read write files** from other mainstream programs? How does it handle **file exchanges** with Macintosh computers?  
\* Hypertext Markup Language. Whether it's word processing, spreadsheet, a database or presentation graphics, a suite should be able to handle HTML...

**14/3,K/34 (Item 2 from file: 16)**  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2003 The Gale Group. All rts. reserv.

06943267 Supplier Number: 58469466 (USE FORMAT 7 FOR FULLTEXT)  
**ON THE NET in 2000. (Brief Article)**  
Notess, Greg R.  
Online, v24, n1, p71  
Jan, 2000  
Language: English Record Type: Fulltext  
Article Type: Brief Article  
Document Type: Magazine/Journal; Trade

Word Count: 1976

... began in the summer of 1998 with its switch from AltaVista to Inktomi, its competitors continued in 1999. The overall search interface may look the **same**, but the underlying **databases** are not. Does the general Internet **searcher** even notice the **changed database**? Since these **databases** are all constantly **changing** anyway, the majority of Net users probably never notice the difference. When that's the case, future **database changes** may happen anytime that a company decides there is a better, cheaper, or otherwise more attractive **database** to **switch** to.

A LOOK FORWARD IN 2000

So given all this activity in the past year, what does the new year hold for the future of...

14/3,K/35 (Item 3 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2003 The Gale Group. All rts. reserv.

04408026 Supplier Number: 46466861 (USE FORMAT 7 FOR FULLTEXT)

**A Mirror For Every Desktop**

VARbusiness, p139

June 15, 1996

Language: English Record Type: Fulltext

Document Type: Magazine/Journal; Trade

Word Count: 157

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

The AC- **Mirror** is an industry-standard, integrated **drive** electronics (IDE) adapter designed to provide hardware disk monitoring for DOS, Windows 3.x, 95 and NT, Novell, OS/2 and most Unix systems. The hardware supports up to four IDE drives and delivers RAID 1 fault tolerance to the desktop. While the board sets up to show a standard **drive**, the AC- **Mirror** **writes duplicate** information to the **mirror drive** (s). An installation program lets users select the primary **drive** and **mirror drive**, select the **drive** where all **reads** are performed, or **switch** the **drive** that is being **read**.

14/3,K/36 (Item 4 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2003 The Gale Group. All rts. reserv.

02869763 Supplier Number: 43866641 (USE FORMAT 7 FOR FULLTEXT)

**HP Rolls Out RAID For EISA Servers**

Electronic News (1991), p14

May 31, 1993

Language: English Record Type: Fulltext

Document Type: Magazine/Journal; Trade

Word Count: 315

... block striping with distributed parity, and level 6 block striping and block mirroring.

While Mr. Thompson conceded that duplexing - in which an operating system will **read** and **write** to a **duplicate storage** subsystem - offers greater fault tolerance, he said other disk array systems have been overpriced compared to the HP offering. To achieve fault-tolerance, the HP disk array offers hot **swapping**, allowing a failed **drive** to be replaced while the system is up and other drives bear the load. Additional features include automatic failure detection, transparent rebuilding of data and...

14/3,K/37 (Item 1 from file: 160)  
DIALOG(R)File 160:Gale Group PROMT(R)  
(c) 1999 The Gale Group. All rts. reserv.

02288707

**MICROSOFT EXCEL OFFERS PIONEER'S Q+E TO EXPAND DATABASE CONNECTIVITY SOLUTIONS**

News Release June 19, 1989 p. 1

Microsoft Corporation and Pioneer Software today announced the availability of Q+E (TM) version 2.1, an easy-to-use **database query** tool that links Microsoft (R) Excel to external databases. Like Microsoft Excel, Q+E runs with all the graphical advantages of working within the Window...

... built-in database to any dBASE file on disk by automatically generating industry-standard structured query language (SQL) to extract from any dBASE(R)-compatible **file**. Dynamic data **exchange** (DDE) links between spreadsheet cells and a database ensure that the data is accurate. By using the graphical environment of Microsoft Windows, Q+E brings unprecedented ease-of-use to the task of **querying** and **editing** dBASE-compatible **databases**. Selecting, sorting and joining **databases** is as easy as pointing to and clicking on them with a mouse. The SQL statements for the query are generated automatically by the point...

... dramatically improves the productivity of a user who needs to analyze stored data. As is common in the Microsoft Windows environment, several database tables or **files** can be viewed on- screen at the **same** time. This flexibility makes it easier to create a "join" of several tables or to browse through related but separate databases. Users see the records selected before creating a spreadsheet with them. Microsoft Excel and Q+E Deliver a Powerful Solution Although there are many methods for **database queries**, SQL is considered to be a powerful and widely used language that is rapidly becoming a standard. Q+E 2.1 supports both dBASE IV SQL syntax and ANSI standard SQL syntax. While Q+E will automatically generate SQL commands, users experienced with the SQL language can **query** dBASE **files** by typing SQL SELECT statements into the Q+E SQL Edit box or directly into Microsoft Excel as a worksheet formula.

**14/3,K/38 (Item 1 from file: 148)**

DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2003 The Gale Group. All rts. reserv.

06490036 SUPPLIER NUMBER: 14011921 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**InfoWorld closes the Windows and opens reader mail for tips. (Window**

**Manager) (Column)**

Livingston, Brian  
InfoWorld, v15, n26, p30(1)  
June 28, 1993  
DOCUMENT TYPE: Column ISSN: 0199-6649 LANGUAGE: ENGLISH  
RECORD TYPE: FULLTEXT  
WORD COUNT: 677 LINE COUNT: 00049

... a new directory for it at the same time, I need to switch to File Manager and make the directory before I can save the **file**.

**Reader** Jeff Pilch points out that you can use the File Manager to make "nested" directories in a single command. To make several levels of directories, such as C:\CLIENTS\SMITH\DOCS, simply **change** to the root of the C: **drive**, click File Create-Directory, and type CLIENTS\SMITH\DOCS. File Manager does the nesting for you, so you don't have to use the dialog ...

**14/3,K/39 (Item 2 from file: 148)**

DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2003 The Gale Group. All rts. reserv.

06199329 SUPPLIER NUMBER: 13419923 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Survival tips for DOS haters. (Column)**

Roberts, Tony  
Compute, v14, n10, p58(1)  
Nov, 1992  
DOCUMENT TYPE: Column ISSN: 0194-357X LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT; ABSTRACT  
WORD COUNT: 915 LINE COUNT: 00066

... copying becomes more complicated, however, look to the Xcopy command.

If you're copying several files, as with Copy\*.\* a:, Xcopy is faster because it **reads** and **writes** in batches of **files** rather than **file** by file. If you need to be selective about which **files** you **copy**, it's Xcopy to the rescue again. Xcopy includes **switches** that allow you to **copy files** based on the date the **file** was last **modified** or based on the status of the **file**'s archive bit. The archive bit is turned on every time a **change** is made in a **file**. If you use Xcopy to **copy changed files** (those with the archive bit on), you provide yourself with a small backup system.

Help. Finally, one of the best things about DOS 5.0...

14/3,K/40 (Item 3 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2003 The Gale Group. All rts. reserv.

05455387 SUPPLIER NUMBER: 11371531 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**REUTERS COMPANY NEWSYEAR, FINANCIAL TIMES REACH AGREEMENT ON DATABASES**  
PR Newswire, 1010P1861  
Oct 10, 1991  
LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT  
WORD COUNT: 668 LINE COUNT: 00054

... the first of its kind between our two organizations."

For the first two years FT Profile clients will be presented with a menu option of **searching** the Profile **database** of **switching** through the gateway to Textline. If they choose Textline, they will use the standard Textline interface to carry out their searches. They will be subject to Profile's terms and conditions. From the third year, a **duplicate** set of data from the Textline **database** will be **loaded** onto FT Profile and all clients will then use the Profile search routine.

Reuters will continue to own and operate the Textline database. The selection...

14/3,K/41 (Item 4 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2003 The Gale Group. All rts. reserv.

05159906 SUPPLIER NUMBER: 10685590 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Moving information - a conversion project toolbox. (information storage systems)**  
Eddison, Elizabeth B.  
Database, v14, n3, p15(8)  
June, 1991  
ISSN: 0162-4105 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT  
WORD COUNT: 4413 LINE COUNT: 00352

... my Mac II in Microsoft Word. I have an Apple PC 5.25" Drive attached to my Mac. MacLink Plus pc translators, operating under Apple **File Exchange**, can take **files** from most PC word processing software and convert them, with formatting intact, to Word files. A spreadsheet, created on a PC in Lotus 1-2...

...a Word file. My Northgate 386 can handle any disks I receive in high density format or in 3.5" size, and allow me to **copy** the **files** over to a double density PC disk for use in the PC drive on the Mac. With the addition of a Copy II PC deluxe option board, the 3.5" **drive** can also **read**, **write** and format Mac disks. Of course the newer Macintosh models come with the superdrive, which can read, write and format Mac 400K, 800K and 1...



14/3,K/42 (Item 5 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2003 The Gale Group. All rts. reserv.

04627986 SUPPLIER NUMBER: 09066236 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Care and feeding. (forcing backup files to a floppy automatically at conclusion of a program)**  
Schuyler, Michael  
Library Workstation Report, v7, n4, p6(2)  
April, 1990  
ISSN: 1041-7923 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT  
WORD COUNT: 1139 LINE COUNT: 00077

... source file.

Archive bit? Every file in DOS has an archive bit. Think of a bit as an on/off switch. When a backup program **copies** a **file** it reaches over to the original (source) **file** and **flips** this archive bit off. The bit is not turned on again unless the **file** is **modified**. Therefore, if a program can read these archive bits, it will know which **files** have been **modified**, but not yet backed up.

Let's say you have 100 document files on your disk. You back them all up with a program that...

14/3,K/43 (Item 6 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2003 The Gale Group. All rts. reserv.

04075997 SUPPLIER NUMBER: 07843013 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**The seven deadly sins of full-text searching.**  
Basch, Reva  
Database, v12, n4, p15(9)  
August, 1989  
ISSN: 0162-4105 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT  
WORD COUNT: 5902 LINE COUNT: 00462

... explanatory notes to the title field of otherwise opaque citations.

\* Run the search in a bibliographic database to take advantage of its controlled vocabulary, then **switch** to a full-text **file** to retrieve specific articles. In this way, you're using full text as a document delivery vehicle rather than a search tool. IAC's TRADE AND INDUSTRY INDEX, MAGAZINE INDEX and COMPUTER **DATABASE** allow one to do this without **changing files**: full-text **records** are fully indexed, and their text, though not searchable (an advantage in a hybrid file of this type), can be displayed or printed from within the **same database**.

SIN 3. WIMPINESS: Both **searchers** and systems must develop new muscles

If lack of controlled vocabulary is a sin, so is the failure to compensate by providing software adequate to...

14/3,K/44 (Item 7 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2003 The Gale Group. All rts. reserv.

03897904 SUPPLIER NUMBER: 07442069 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Major revision of NLM search software. (National Library of Medicine)**  
Database Searcher, v5, n1, p20(2)  
Jan, 1989  
ISSN: 0891-6713 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT  
WORD COUNT: 738 LINE COUNT: 00061

... renumber starting with the last search statement. Displayed search statements inform the user which files were used to collect the items retrieved.

The Print instructions **switch** to different **files** and back invisibly. When **searchers** want to print from multiple **files** with different **search** statements, they use the Superprint (Sprint) command.

This command lets searchers designate a series of search statements (or All) for printing. With the Mfsearch command, searchers can specify a **search** strategy for running against a set of **databases**. The manual mode for Mfsearch gives the **searcher** more control by prompting for a Superprint command after each file and waiting for a Next command to move on to the next **database**. The Tfile mode for Mfsearch does the **same** but preserves earlier search results for later use. The Auto mode taps all the **databases** with no opportunity for **changing** the instructions. NLM warns that this last method could be costly if a strategy retrieves unanticipated large results. On the other hand, this is the only way to avoid "baby-sitting" the machine while it executes lengthy prints. The Manual mode requires **searchers** to answer Sprint prompts as well as **file changes**. The Mfsearch operates on saved **search** strategies.

To help users select **databases**, NLM has developed pre-selected groups of files: Medgroup or M66group (all Medline files); Toxgroup (Toxline, Toxlit, Toxlit65); Catgroup (Catline, Avline, Serline); Bacgroup (all Medline...

14/3,K/45 (Item 1 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
(c) 2003 ProQuest Info&Learning. All rts. reserv.

01546811 01-97799

**Which RAID system for which application?**

Koepf, Andreas

Computer Technology Review v17n11 PP: 50-53 Nov 1997

ISSN: 0278-9647 JRNL CODE: CTN

WORD COUNT: 1461

...TEXT: a database server. Besides the swap I/Os of the operating system, there are additional I/Os which are performed in parallel -index and data **read** / **write** operations. Any access to the **database** must access both the index file and the data **file**. If both **files** are located on the **same** array in a heavily **loaded database** server, the hard drives must perform many time-consuming movements of the read/ **write** heads (moving the heads from the index **file** to the data file and back and forth). Because of this, **database** management system companies recommend " **load balancing**" when laying out data on the hard drives. This means using independent hard drives for the different **database files**. A disk array automatically balances the **load**, but one can achieve even more performance by installing independent arrays for these independent I/Os.

The 10 hard drives in our example (Fig 4...

14/3,K/46 (Item 2 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
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00889914 95-39306

**System 7.5**

Poole, Lon

Macworld v11n9 PP: 126-129 Sep 1994

ISSN: 0741-8647 JRNL CODE: MAW

WORD COUNT: 2232

...TEXT: file. MEO remembers the substitute application you pick for a particular type of file and uses it by default the next time you open the **same** type of **file**. PC **Exchange** lets a Macintosh **read** and **write** floppy disks formatted on PCs. With PC Exchange, these foreign disks appear on your desktop like Mac disks.

All of these interface enhancements--not to...

14/3,K/47 (Item 3 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)

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00647861 92-62801

### **Windows Forms Processing**

Taylor, Allen G.

InfoWorld v14n44 PP: 59-70 Nov 2, 1992

ISSN: 0199-6649 JRNL CODE: IFW

WORD COUNT: 1421

...TEXT: have tested forms packages for speed or networking features. Printing is an obvious speed test, but many forms packages can also be tested much the **same** way a **database** can. For those tests, we used a subset of the tables we ordinarily use to test multi-user databases. Our platform for testing all but...

...megabyte ESDI hard disk, a Microsoft serial mouse, and a Hewlett-Packard Laser-Jet III printer. We used Windows Enhanced mode with a default temporary **swap file**. For the networkability features check, we ... field types. We awarded better scores to products that provide more advanced database entry and management features, such as user-definable field types, data validation **record** lookups, field-by-field help, **querying** the **database** by form, and generating reports. We awarded the highest scores to products that let you create multirecord forms or forms capable of accessing multiple databases. (The...

... that involve querying and updating several linked tables.) Import and export: At a minimum, the product must be able to import and ASCII-delimited data **file** into its own **database** or provide **read** and **write** support for one or more formats, such as dBase. The more formats the product supports--such as Paradox, Btrieve, CA-Clipper, Lotus 1-2-3...

14/3,K/48 (Item 4 from file: 15)

DIALOG(R) File 15:ABI/Inform(R)

(c) 2003 ProQuest Info&Learning. All rts. reserv.

00639733 92-54673

### **A Catalog or a Reference Tool? Or, MELVYL's Exquisite Search Features You Can't Know Until Someone Tells You**

Lipow, Anne Grodzins

Information Technology & Libraries v11n3 PP: 281-284 Sep 1992

ISSN: 0730-9295 JRNL CODE: JLA

WORD COUNT: 2324

...TEXT: retrieved at all.

### **SWITCHING DATABASES AND SAVE**

#### **THE FEATURE**

The MELVYL system is made up of the catalog of UC books and, as of this **writing**, seven other **databases** (of which nonaffiliated remote users have access to only PE (the periodicals database) and TEN (the last-ten-years subset of the catalog database). (CURRENT CONTENTS, MEDLINE, and an index to major newspapers are among the others.) The **same** **search** commands apply in all the **databases**, and it is easy to compile a personal bibliography that consists of citations to books, journal titles, and articles using the SAVE command in all of the relevant databases. You just need to be careful how you **switch** from one **database** to the other, or you might lose what you saved. There are three commands that **switch** to another **database**: At the prompt, type the code for the **database** to which you want to **switch** (e.g., CC for CURRENT CONTENTS, NEWS for the newspaper file). At the prompt, type SET DB <database code>. At the prompt, type START <database code>. Only the first two commands **switch** to the designated **database** without ending your session in the current database. What you saved will be erased if you **switch** to a **database** using the START command. That is an important distinction when you are building a bibliography (for later downloading to your PC) by accumulating citations

ás...

14/3,K/49 (Item 5 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
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00457627 89-29414

**Locally Loaded Databases in Arizona State University's Online Catalog Using the CARL System**

Machovec, George S.  
Information Technology & Libraries v8n2 PP: 161-171 Jun 1989  
ISSN: 0730-9295 JRNL CODE: JLA

...ABSTRACT: installed by Arizona State University (ASU). CARL supports all the traditional functions of an integrated system and can act as a platform for creating or **loading** multiple **databases**. The major modules in CARL software include: 1. circulation, 2. bibliographic maintenance, 3. public access catalog, 4. serials control, 5. electronic mail, and 6. acquisitions. As each **database** is searchable in CARL with the **same search** software as the library's MARC bibliographic **database**, it is easy for users to **switch** between **databases**. To **load** a **database** into CARL, the **file** must be mapped into a MARC format. CARL supports full keyword searching and has 5 basic indexes: 1. name, 2. word, 3. title browse, 4...

14/3,K/50 (Item 1 from file: 647)  
DIALOG(R)File 647:CMP Computer Fulltext  
(c) 2003 CMP Media, LLC. All rts. reserv.

01173877 CMP ACCESSION NUMBER: WIN19981001S0047

**Rev Up NT - When NT grows sluggish, try these simple steps to eliminate bottlenecks and speed up performance.**

John D. Ruley, Senior Technology Editor  
WINDOWS MAGAZINE, 1998, n 910, PG195  
PUBLICATION DATE: 981001  
JOURNAL CODE: WIN LANGUAGE: English  
RECORD TYPE: Fulltext  
SECTION HEADING: Features  
WORD COUNT: 4063

... fast system components run, find a file of several megabytes and execute this command from the command line:

```
copy YourFileNameHere stuff.dat /v
```

This will **copy** your file to another **file**, called STUFF.DAT. The /v (verify) **switch** reads **file** data back in after it's **written**, forcing a high level of disk reads as well as writes. That activity causes a dramatic rise in the %Disk Time and Disk Bytes/sec...

14/3,K/51 (Item 2 from file: 647)  
DIALOG(R)File 647:CMP Computer Fulltext  
(c) 2003 CMP Media, LLC. All rts. reserv.

01095019 CMP ACCESSION NUMBER: VAR19960615S0056

**A Mirror For Every Desktop**

Wendy Sisselman  
VARBUSINESS, 1996, n 1210, PG139  
PUBLICATION DATE: 960615  
JOURNAL CODE: VAR LANGUAGE: English  
RECORD TYPE: Fulltext  
SECTION HEADING: VAR Shopper - A roundup of new products for resellers  
WORD COUNT: 163

TEXT:

The AC- **Mirror** is an industry-standard, integrated **drive** electronics (IDE) adapter designed to provide hardware disk monitoring for DOS, Windows 3.x, 95 and NT, Novell, OS/2 and most Unix systems. The hardware supports up to four IDE drives and delivers RAID 1 fault tolerance to the desktop. While the board sets up to show a standard **drive**, the AC- **Mirror** **writes duplicate** information to the **mirror drive** (s). An installation program lets users select the primary **drive** and **mirror drive**, select the **drive** where all **reads** are performed, or **switch** the **drive** that is being **read**.

14/3,K/52 (Item 3 from file: 647)  
DIALOG(R)File 647:CMP Computer Fulltext  
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01068816 CMP ACCESSION NUMBER: WIN19951101S0182

**Make NT A Better Performer** (Windows NT)

John D. Ruley

WINDOWS MAGAZINE, 1995, n 612, PG329

PUBLICATION DATE: 951101

JOURNAL CODE: WIN LANGUAGE: English

RECORD TYPE: Fulltext

SECTION HEADING: How To

WORD COUNT: 2454

... the command line execute this command: copy YourFileNameHere  
stuff.dat /v

This will make a duplicate of your file, named STUFF.DAT. The /v (verify) **switch** will read **file** data back in after it's **written**, forcing a high level of disk reads as well as writes. You'll see this as a dramatic rise in the % Disk Time and Disk...

...the value is going. To do this, select Options/Chart and start with 200 in the Vertical Maximum field. You may need to repeat the **file copy** a few times before you have a feel for what's happening. You can also switch back to the Graph view, which offers the advantage...

23/3,K/1 (Item 1 from file: 275)  
DIALOG(R)File 275:Gale Group Computer DB(TM)  
(c) 2003 The Gale Group. All rts. reserv.

02144394 SUPPLIER NUMBER: 20205708 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Tiers without tears. (techniques for packaging database logic into components) (Technology Tutorial) (Column) (Tutorial)**  
Spitzer, Tom  
DBMS, v11, n2, p74(4)  
Feb, 1998  
DOCUMENT TYPE: Column Tutorial ISSN: 1041-5173 LANGUAGE: English  
RECORD TYPE: Fulltext; Abstract  
WORD COUNT: 3408 LINE COUNT: 00267

... client application. This allows me to develop and test the client application against a test **database** and then **switch** the **database** connection to a production **database** without affecting the user-interface tier at all. It also makes the fact that the application is **reading** and **writing** to multiple **databases** very transparent to the user-interface tier, which is only interacting with objects. An associated...

23/3,K/2 (Item 2 from file: 275)  
DIALOG(R)File 275:Gale Group Computer DB(TM)  
(c) 2003 The Gale Group. All rts. reserv.

02033287 SUPPLIER NUMBER: 19111542 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**RIDDLE OF THE SPHINX - HOW MICROSOFT COULD CHALLENGE HIGH-END DATABASE PLAYERS.**  
Computergram International, n3099, pCGN02130006  
Feb 13, 1997  
ISSN: 0268-716X LANGUAGE: English RECORD TYPE: Fulltext  
WORD COUNT: 1219 LINE COUNT: 00094

... eating their words, if not their hats. By Microsoft's own reckoning, the company has **shifted** over two million units of its relational **database** SQL Server. That's not to suggest that all two million customers are actually using...

...Sphinx we will have full row locking. We'll do it for updates, deletes and **reads** ." Given the fact that Microsoft's **database** was born out of version 4.2 of Sybase's SQL Server, it's curious...

...and jointly developing the OS/2 operating system. To Microsoft's surprise, IBM decided to **write** a full 'blood and guts' SQL **database** by itself. The product, called OS/2 Database Manager, was to be the killer application...  
...take Microsoft's code down a different track from Sybase's. Microsoft is rewriting its **database** 's **query** engine. At the end of last year, Microsoft invested in on-line analytical processing technology...

23/3,K/3 (Item 3 from file: 275)  
DIALOG(R)File 275:Gale Group Computer DB(TM)  
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01536946 SUPPLIER NUMBER: 12699269 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Claris has a little different approach. (FileMaker 2.0 data base package) (Script Manager) (Column)**  
Michel, Steve  
MacWEEK, v6, n34, p68(1)  
Sept 28, 1992  
DOCUMENT TYPE: Column ISSN: 0892-8118 LANGUAGE: ENGLISH  
RECORD TYPE: FULLTEXT; ABSTRACT  
WORD COUNT: 704 LINE COUNT: 00056

ABSTRACT: Claris Corp's FileMaker Pro 2.0 **data base** package offers an unusual implementation for **writing** macros. FileMaker Pro's scripting is

'different from other programs'. FileMaker allows users to select...

...perform sequentially. These tasks include many of the most common operations, including the ability to **switch** between views, to sort **data bases**, printing and **searching** for records. The most pertinent aspect of this kind of scripting is that it provides...

**23/3,K/4 (Item 4 from file: 275)**

DIALOG(R)File 275:Gale Group Computer DB(TM)  
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01355637 SUPPLIER NUMBER: 08445306 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Integrated-software packages with a built-in programming language.**

**(integrated software product table) (buyers guide)**

PC Week, v7, n19, p118(1)

May 14, 1990

DOCUMENT TYPE: buyers guide ISSN: 0740-1604 LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT

WORD COUNT: 1376 LINE COUNT: 00132

... statement, SQL database queries.

Integration features: pastes spreadsheet and graphics into word-processing files, automatic **update**, context **switching**.

Table-linking; mail-merge: 255 **database** tables linked in one **query**; mail merge included.

Data formats imported/exp: Lotus 1-2-3, dBASE, ASCII, BASIC, DIF...

**23/3,K/5 (Item 1 from file: 636)**

DIALOG(R)File 636:Gale Group Newsletter DB(TM)  
(c) 2003 The Gale Group. All rts. reserv.

04564930 Supplier Number: 54548111 (USE FORMAT 7 FOR FULLTEXT)

**XYLAN: Xylan reduces network complexity with second phase of Switched Network Services.**

M2 Presswire, pNA

May 4, 1999

Language: English Record Type: Fulltext

Document Type: Magazine/Journal; Trade

Word Count: 2063

... Router, OmniSwitch, and OmniStack to provide support for directory-based networking. The solution makes Xylan **switches** capable of **searching**, retrieving, and **updating database** entries using the

**23/3,K/6 (Item 2 from file: 636)**

DIALOG(R)File 636:Gale Group Newsletter DB(TM)  
(c) 2003 The Gale Group. All rts. reserv.

04172032 Supplier Number: 54631382 (USE FORMAT 7 FOR FULLTEXT)

**XYLAN: Xylan adds intelligence to switched networks.**

M2 Presswire, pNA

May 13, 1999

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 570

... OmniSwitch, and OmniStack products to provide support for directory-based networking. The solution makes Xylan **switches** capable of **searching**, retrieving, and **updating database** entries using the widely accepted LDAP standard. Xylan can now communicate with a directory server

...

**23/3,K/7 (Item 3 from file: 636)**

DIALOG(R)File 636:Gale Group Newsletter DB(TM)

(c) 2003 The Gale Group. All rts. reserv.

03456994 Supplier Number: 47123590 (USE FORMAT 7 FOR FULLTEXT)  
**RIDDLE OF THE SPHINX - HOW MICROSOFT COULD CHALLENGE HIGH-END DATABASE  
PLAYERS**

Amos, Susan  
Computergram International, n3099, pN/A  
Feb 13, 1997  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 1144

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

...eating their words, if not their hats. By Microsoft's own reckoning, the company has **shifted** over two million units of its relational **database** SQL Server. That's not to suggest that all two million customers are actually using...

...Sphinx we will have full row locking. We'll do it for updates, deletes and **reads** ." Given the fact that Microsoft's **database** was born out of version 4.2 of Sybase's SQL Server, it's curious...

...and jointly developing the OS/2 operating system. To Microsoft's surprise, IBM decided to **write** a full 'blood and guts' SQL **database** by itself. The product, called OS/2 Database Manager, was to be the killer application...

...take Microsoft's code down a different track from Sybase's. Microsoft is rewriting its **database** 's **query** engine. At the end of last year, Microsoft invested in on-line analytical processing technology...

**23/3,K/8 (Item 4 from file: 636)**  
DIALOG(R)File 636:Gale Group Newsletter DB(TM)  
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03189773 Supplier Number: 46533755 (USE FORMAT 7 FOR FULLTEXT)  
**FCC ADOPTS RULES ON TELEPHONE NUMBER PORTABILITY, PROHIBITS USE OF QUERY ON  
RELEASE AS LONG-TERM SOLUTION**

Advanced Intelligent Network News, v6, n14, pN/A  
July 10, 1996  
Language: English Record Type: Fulltext  
Document Type: Newsletter; Trade  
Word Count: 1354

... A database stores switch information for each number. If a customer changes service providers, the **database** is **updated** with the new **switch** information. **Query** on release differs from LRN in its reliance on incumbent carrier equipment. Under the query...

...s original carrier. If the dialed number has been transferred to a different carrier's **switch** , then a **database query** is initiated.

Daley noted that although it is true that query on release would increase...

**23/3,K/9 (Item 5 from file: 636)**  
DIALOG(R)File 636:Gale Group Newsletter DB(TM)  
(c) 2003 The Gale Group. All rts. reserv.

01787117 Supplier Number: 42989949 (USE FORMAT 7 FOR FULLTEXT)  
**S&P EASES ACCESS TO CORPORATE FINANCIAL DATA ON CD-ROM**

Optical Memory News, n111, pN/A  
May 12, 1992  
Language: English Record Type: Fulltext  
Document Type: Newsletter; Trade  
Word Count: 689



... criteria from fast-access pop-up menus. The command mode lets users search using Dialog **search** strings. **Switching** among the three **databases** is facile.

**Updated** compact discs are mailed via courier on a bi-monthly basis with the latest developments...

**23/3,K/10** (Item 1 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2003 The Gale Group. All rts. reserv.

07185501 Supplier Number: 61374994 (USE FORMAT 7 FOR FULLTEXT)  
**NO MORE DISKS: Investment management software on web.**  
Barreto, Susan  
Pensions & Investments, v28, p3  
April 3, 2000  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 1353

... retrieving database information from the browser. "It's like a desktop application, but will do **queries** on the **database** on the Internet," he said. Making the **switch** to online software will mean a savings in cost and time for plan sponsors and...

...give a timeframe for a web-based software product. A new version of its M- **Search** money manager **database** and analytical software is available on eFrontiers.com, with a future version to include online **database update** capability within the next couple of quarters, Mr. Padgett said. The future browser-based version...

**23/3,K/11** (Item 1 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2003 The Gale Group. All rts. reserv.

14309507 SUPPLIER NUMBER: 82756666 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Leveraging Technology Partnerships, Part Two: Continuing the story of how one PACS provider remade its product offering into web-based services. (SDK).**  
Eggleston, Peter  
Advanced Imaging, 17, 1, 42(3)  
Jan, 2002  
ISSN: 1042-0711 LANGUAGE: English RECORD TYPE: Fulltext  
WORD COUNT: 1745 LINE COUNT: 00141

... in all the copies.  
Finally, there is the issue of fail-over--how to automatically **switch** to a standby, backup **database**, sewer or network if the primary system fails or is down for any reason such...

...the implementation of this feature, eMed employs a warm back-up scheme whereby data is **written** to, but not **read** from, an identical **database** as it is created and modified, a concept called mirroring. Mirroring capabilities also give eMed...

**23/3,K/12** (Item 2 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2003 The Gale Group. All rts. reserv.

10484469 SUPPLIER NUMBER: 21167731 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Salvage Planning for Your New Database.**  
Perez, Ernest  
Database, v21, n5, p75(1)  
Oct-Nov, 1998  
ISSN: 0162-4105 LANGUAGE: English RECORD TYPE: Fulltext  
WORD COUNT: 2376 LINE COUNT: 00191

TEXT:

...database trapped inside, for example, a CPM application. It's also nice to have a **database** with a report- **writer** function that allows data export using custom-designed formats, user-designed field tags, along with ...low-end approach. \* ODBC-compliant products: A relatively new approach. This jargon acronym means Open **Database** Connectivity. ODBC is analogous to the **search** engine Z39.50 approach, which also allows **database** products to access and even handle datafiles created by other products. Modern database products increasingly...

...compliant is another frequently-supported database protocol. The easiest approach might be to purchase or **switch** to a preferred new **database** product that can handle and possibly convert your existing data file under an ODBC function. You are hopefully adding new features or power by **switching** to any new **database** software. You might even use an intermediary database to add the ODBC or SQL feature...

...many word processor proprietary format files. It additionally offers free-text and field-specific Boolean **searching** of ODBC- compliant **database** proprietary format files. You could, for example, use DTSearch to provide Web access to database...

23/3,K/13 (Item 3 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2003 The Gale Group. All rts. reserv.

09817406 SUPPLIER NUMBER: 19850168 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Union Lists of Periodicals database added to OCLC's FirstSearch, enhancements noted.**

Information Today, v14, n9, p61(1)  
Oct, 1997

ISSN: 8755-6286 LANGUAGE: English RECORD TYPE: Fulltext  
WORD COUNT: 1068 LINE COUNT: 00093

... the beginning," said Sullivan. "We plan to make the information in the OCLC Union Lists **database readily** available from within other **databases** on FirstSearch, so that library users can see what their library owns without having to **switch** files."

**Updated** semiannually, the OCLC Union Lists **database** will look and function like any other FirstSearch database. By giving copy- and volume-specific...

23/3,K/14 (Item 4 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2003 The Gale Group. All rts. reserv.

07811318 SUPPLIER NUMBER: 16825836 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Mainframe RAID must match your app needs. (direct-access storage devices) (includes executive summary) (Evaluation)**

Darling, Charles B.  
Datamation, v41, n5, p65(3)  
March 15, 1995

DOCUMENT TYPE: Evaluation ISSN: 1062-8363 LANGUAGE: ENGLISH  
RECORD TYPE: FULLTEXT; ABSTRACT  
WORD COUNT: 1814 LINE COUNT: 00138

...ABSTRACT: log file and roll-forward recovery features. Some companies are designing their critical applications to **read** once, **write** twice and automatically **switch databases** in response to failures. RAID depends on the fact that two disks will almost never...

... roll-forward recovery features. Or, like one large Canadian bank, design your critical applications to **read** once, **write** twice, and dynamically **switch databases** in the event of a failure.

Vendors' contributions to the availability battle come in many...

23/3,K/15 (Item 5 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2003 The Gale Group. All rts. reserv.

06508546 SUPPLIER NUMBER: 14384247 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**NJ Bell answers call for help with a unique E-911 system. (New Jersey Bell Telephone Co.)**  
Depaola, John  
Telephony, v224, n2, p36(2)  
Jan 11, 1993  
ISSN: 0040-2656 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT  
WORD COUNT: 1102 LINE COUNT: 00084

... then send updates to the three SCXs over the same circuits that are used to **query** the ALI **database**.

The statewide network, the SCX **switches** and the DCSs, already have been installed. The database has been loaded, and five of...

23/3,K/16 (Item 6 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2003 The Gale Group. All rts. reserv.

06392850 SUPPLIER NUMBER: 13438719 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**More than virtual: today's intelligent network. (includes related articles) (MCI's Intelligent Network) (special advertising supplement)**  
Wagar, Barry  
Business Communications Review, v23, n1, pS3(9)  
Jan, 1993  
ISSN: 0162-3885 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT  
WORD COUNT: 7889 LINE COUNT: 00643

... various call centers on a percentage basis.

All routing criteria are stored in public network **databases**. When a **switch** receives a call, it **queries** the **database** to determine proper routing. Through an on-premises terminal, subscribers can **update** the exchange carrier's **database** to change the routing plan in real time, or they can request that the carrier...

23/3,K/17 (Item 7 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2003 The Gale Group. All rts. reserv.

06197155 SUPPLIER NUMBER: 12439290 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Isys update makes text retrieval simple; 3.0's speed and ease-of-use improvements overshadow minor performance shortfalls. (Software Review) (Isys 3.0 text-retrieval software from Odyssey Development) (Evaluation)**  
Marshall, Patrick  
InfoWorld, v14, n30, p80(3)  
July 27, 1992  
DOCUMENT TYPE: Evaluation ISSN: 0199-6649 LANGUAGE: ENGLISH  
RECORD TYPE: FULLTEXT; ABSTRACT  
WORD COUNT: 2439 LINE COUNT: 00225

... you want to reuse search arguments in future sessions, you can store them in a **search** catalog.

A new **database** catalog makes it a snap to **switch** **databases** on the fly, and navigating directories is easier now that Isys has adopted directory trees in its scroll boxes. The auditing feature makes life easier for network administrators, and the **query** -by-concept tool simplifies **databases** for end-users. Isys lets you interrupt indexing and search operations without losing data, then return to where you left off. Network users can now **query** the **database** even when it is performing an **update**.

A couple of Isys' new features suffer from minor complications. A bug prevented Isys from...

23/3,K/18 (Item 8 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2003 The Gale Group. All rts. reserv.

05086166 SUPPLIER NUMBER: 09339162 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Managing tools profitably. (Emphasis: Cutting Tools)**  
Beard, Tom  
Modern Machine Shop, v63, n8, p66(9)  
Jan, 1991  
ISSN: 0026-8003 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT  
WORD COUNT: 2200 LINE COUNT: 00164

... code reader is a portable device, the transaction will not be entered into the system **database** until the **reader** memory is downloaded to the personal computer. The reader, which can store up to 2...

...be downloaded after each transaction; it's a simple procedure. But for BethForge's purposes, **updating** the **database** two to three times a **shift** is more than sufficient.

This overall ease of use plays a more significant role than...

23/3,K/19 (Item 9 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
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04521104 SUPPLIER NUMBER: 08360305 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Local online: the genie is out of the bottle. (part 2) (includes related information)**  
O'Leary, Mick  
Online, v14, n2, p27(7)  
March, 1990  
ISSN: 0146-5422 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT  
WORD COUNT: 4864 LINE COUNT: 00393

... which the local online version does not cover. The migration phenomenon discussed in Part 1 **shifts searching** from local online **databases** to others which are only available on databanks.

Help for Librarians

Professional education has proven...

23/3,K/20 (Item 10 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
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03004125 SUPPLIER NUMBER: 04545095 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**The Bell operating companies to offer new telephone system called "Intelligent Network."**  
PR Newswire, NYPR27  
Dec 2, 1986  
LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT  
WORD COUNT: 814 LINE COUNT: 00066

... contain all sorts of special call handling information. Rather, it only needs to send a **query** to the **data base**. Therefore, changing or adding a service could mean simply changing or adding information to the **data base**, rather than **updating** hundreds of **switches**," Robrock said.  
"What the intelligent network means for the BOCs is savings and speed in...

23/3,K/21 (Item 1 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
(c) 2003 ProQuest Info&Learning. All rts. reserv.

00922248 95-71640

**Back to basics**

Wheeler, Richard

Insurance Brokers Monthly & Insurance Adviser v44n9 PP: 359-361 Sep 1994

ISSN: 0260-2385 JRNL CODE: IBA

WORD COUNT: 1704

...TEXT: suggests that these are the clients most likely to be picked off by the direct **writers** .

**Search** the **database** and establish the **shifting** patterns of your client base which could present opportunities as well as recognising areas of...

23/3,K/22 (Item 1 from file: 674)

DIALOG(R)File 674:Computer News Fulltext

(c) 2003 IDG Communications. All rts. reserv.

092062

**Oracle releases disaster recovery software**

Byline: James Niccolai

Journal: Network World

Publication Date: March 07, 2001

Word Count: 872 Line Count: 77

Text:

...maintain a "physical standby" database, which contains the same data as a company's primary **database** but can be used only for **read**-only operations. Only the version of Data Guard that will ship with Oracle 9i supports the maintenance of a "logical standby" **database** , or one that supports both **read** and **write** access. One analyst said that's a significant drawback. "It's the logical capability that...

... still a valuable tool, primarily because it automates many of the time-consuming steps that **database** administrators must take to **switch** over to the standby **database** , Demarest said. Oracle's existing tool for maintaining a standby database requires administrators to perform as many as 20 manual steps in order to **switch** to the back-up **database** , he said. "Data Guard provides a sort of push-button interface for managing that remote...

23/3,K/23 (Item 2 from file: 674)

DIALOG(R)File 674:Computer News Fulltext

(c) 2003 IDG Communications. All rts. reserv.

049387

**Notes 4-bagger**

**Moving to Client/Server Messaging**

With the game on the line and Microsoft Corp. hurling fastballs from the mound, IBM's newly acquired Lotus Development Corp. has blasted a towering home run with Notes Release 4. This major release expands on almost all Notes Release 3 features, while adding countless others. The result is an enterprisewide groupware, messaging and development environment with built-in ties to the Internet.

Byline: Steven Goldberg

Journal: Network World Page Number: 51

Publication Date: January 22, 1996

Word Count: 2479 Line Count: 222

Text:

... a column width back and forth, for instance, without having designer-level access to the **database** . The **switch** to folders and panes fulfills a key Lotus goal: a homogeneous interface for Notes Mail...

... users can employ a relatively simple interface to create agents that automate many tasks, from **searching databases** on servers to deleting

, mail messages from a specified user. There are several canned agents...

...access to all servers in a Notes network. User and group administration, address book **updates**, certification additions and changes, and **database** maintenance are some of the functions that can be administered via the Administrator Control ...so they are not necessarily accurate. In Release 3, anyone with access to a local **database** could **read** the data in it, despite any ACLs that would prevent this on a Notes server...

23/3,K/24 (Item 3 from file: 674)  
DIALOG(R)File 674:Computer News Fulltext  
(c) 2003 IDG Communications. All rts. reserv.

046440

Move to distributed computing models puts database spotlight on net managers

DISTRIBUTED COMPUTING

Byline: John R. Rymer  
Journal: Network World Page Number: 52  
Publication Date: August 28, 1995  
Word Count: 858 Line Count: 84

Text:

... for network managers. It will mean that the burden of data integrity and reliability will **shift** from **database** administrators to network managers. It also will force network managers to look beyond their current ...

... Both have had a big effect on performance. The first problem is that today's **database** servers coordinate interactions by **reading** and **writing** data to disk. All interactions, in other words, require persistent transactions. This is overkill for...

23/3,K/25 (Item 4 from file: 674)  
DIALOG(R)File 674:Computer News Fulltext  
(c) 2003 IDG Communications. All rts. reserv.

042416

Client/server a blockbuster in Tinseltown

Byline: Barb Cole  
Journal: Network World Page Number: 1  
Publication Date: February 13, 1995  
Word Count: 692 Line Count: 63

Text:

... automatically to users when they dial in, but customers will also be able to further **query** the **read-only database** at their discretion. The system will enable these users, whose careers may hinge on theater...

... system. First, EDI is using data replication - a feature that is built into the Informix **database** - to **update** two other **databases** that are kept in offices in London and Munich, Germany. In the event that the main server here crashes, EDI could **switch** over to either European **database** with little consequence, Huber explained. Currently, data is replicated nightly, but eventually, EDI will exploit...

23/3,K/26 (Item 5 from file: 674)  
DIALOG(R)File 674:Computer News Fulltext  
(c) 2003 IDG Communications. All rts. reserv.

042300

Firm to build database for updated ISDN information  
Source will detail rates, vendors and service availability.

Byline: Tim Greene  
Journal: Network World Page Number: 24

Publication Date: February 06, 1995  
Word Count: 297 Line Count: 28

Text:

... service availability information that is scheduled to go on-line in early April. The National **Switched** Digital Services **Database** will be **updated** as frequently as each week and available to users 24 hours a day via the...

... service availability according to area code and local exchange numbers or central office codes. The **database** will allow **searches** by local access and transport area, state and region, as well as provide rate data ...

... and the names and phone numbers of vendor contacts will be provided. Commissioned by the **Switched** Digital Services Applications Forum (SDSAF), the **database** will be supplemented by off-line availability of state, regional and national data in the...

23/3,K/27 (Item 6 from file: 674)  
DIALOG(R)File 674:Computer News Fulltext  
(c) 2003 IDG Communications. All rts. reserv.

035713

**WordPerfect eyes open Office**

**Company puts common interface on long-term agenda**

Byline: Lynda Radosevich

Journal: Computerworld Page Number: 6

Publication Date: February 28, 1994

Word Count: 737 Line Count: 72

Text:

... been able to opt for a ``partial client/server option'' in which the client can **read** the message **database** but cannot **write** to it, **shifting** much of the processing to the server.

23/3,K/28 (Item 1 from file: 610)  
DIALOG(R)File 610:Business Wire  
(c) 2003 Business Wire. All rts. reserv.

00038677 19990503123B0214 (USE FORMAT 7 FOR FULLTEXT)

**Xylan Reduces Network Complexity With Second Phase of Switched Network Services**

Business Wire

Monday, May 3, 1999 11:29 EDT

JOURNAL CODE: BW LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT

DOCUMENT TYPE: NEWSWIRE

WORD COUNT: 2,173

...Router, OmniSwitch and OmniStack to provide support for directory-based networking. The solution makes Xylan **switches** capable of **searching**, retrieving and **updating** **database** entries using the widely accepted LDAP standard.

File 347:JAPIO Oct 1976-2003/Jun(Updated 031006)  
(c) 2003 JPO & JAPIO  
File 350:Derwent WPIX 1963-2003/UD,UM &UP=200368  
(c) 2003 Thomson Derwent  
File 348:EUROPEAN PATENTS 1978-2003/Oct W03  
(c) 2003 European Patent Office  
File 349:PCT FULLTEXT 1979-2002/UB=20031016,UT=20031009  
(c) 2003 WIPO/Univentio

Set	Items	Description
S1	61	AU=GORELIK A?
S2	6	AU=BURDA L?
S3	2	S1:S2 AND SWITCH?(5N)DATABASE? ?



3/5/1 (Item 1 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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014057371 \*\*Image available\*\*  
WPI Acc No: 2001-541584/200160  
XRPX Acc No: N01-402513

**Computing system for database management,has router switcher that  
switches database indicator to transform live database into load  
database and load database into live database**

Patent Assignee: ACTA TECHNOLOGIES INC (ACTA-N); BURDA L (BURD-I); GORELIK  
A (GORE-I)

Inventor: **BURDA L ; GORELIK A**

Number of Countries: 095 Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200159628	A1	20010816	WO 2001US4699	A	20010212	200160 B
AU 200135016	A	20010820	AU 200135016	A	20010212	200175
US 20020004799	A1	20020110	US 2000182087	P	20000211	200208
			US 2001782178	A	20010212	
EP 1275061	A1	20030115	EP 2001907213	A	20010212	200306
			WO 2001US4699	A	20010212	

Priority Applications (No Type Date): US 2000182087 P 20000211; US  
2001782178 A 20010212

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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WO 200159628	A1	E	19	G06F-017/30	
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Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA  
CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP  
KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT  
RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW  
Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR  
IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

AU 200135016	A			G06F-017/30	Based on patent WO 200159628
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US 20020004799	A1			G06F-017/30	Provisional application US 2000182087
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EP 1275061	A1	E		G06F-017/30	Based on patent WO 200159628
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Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT  
LI LT LU LV MC MK NL PT RO SE SI TR

Abstract (Basic): WO 200159628 A1

NOVELTY - A router **switcher** **switches** a **database** indicator to  
transform a live database into a load database and a load database into  
a live database. A query router (14) routes the queries from an  
application (10) to the live database. The database indicator indicates  
if the database (12A,12B) is a load database or a live database.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for a  
consistent information providing method.

USE - For database management.

ADVANTAGE - Enables loading of data into database without affecting  
availability, performance or consistency of data to application.  
Maintains consistency of data.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of a  
high availability system.

Application (10)

Database (12A,12B)

Query router (14)

pp; 19 DwgNo 1/7

Title Terms: COMPUTATION; SYSTEM; DATABASE; MANAGEMENT; ROUTER; SWITCH;  
SWITCH; DATABASE; INDICATE; TRANSFORM; LIVE; DATABASE; LOAD; DATABASE;  
LOAD; DATABASE; LIVE; DATABASE

Derwent Class: T01

International Patent Class (Main): G06F-017/30

File Segment: EPI

DIALOG(R)File 349:PCT FULLTEXT  
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00826092      \*\*Image available\*\*

**HIGH AVAILABILITY DATABASE SYSTEM USING LIVE/LOAD DATABASE COPIES**  
**SYSTEME DE BASES DE DONNEES A GRANDE DISPONIBILITE, UTILISANT DES COPIES DE**  
**BASES DE DONNEES COURANTES/DE CHARGEMENT**

Patent Applicant/Assignee:

ACTA TECHNOLOGIES INC, 1667 Plymouth Street, Mountain View, CA 94043, US,  
US (Residence), US (Nationality), (For all designated states except:  
US)

Patent Applicant/Inventor:

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(Residence), US (Nationality), (Designated only for: US)

**BURDA Leon** , 22206 Quintero Court, Cupertino, CA 95014, US, US  
(Residence), US (Nationality), (Designated only for: US)

Legal Representative:

ALBERT Philip H (et al) (agent), Townsend and Townsend and Crew LLP, Two  
Embarcadero Center, Eighth Floor, San Francisco, CA 94111-3834, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200159628 A1 20010816 (WO 0159628)

Application: WO 2001US4699 20010212 (PCT/WO US0104699)

Priority Application: US 2000182087 20000211

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ

DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ

LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG

SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-017/30

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 4712

**English Abstract**

In a computing system, wherein applications access databases to obtain data and the databases are updated from time to time and the applications require consistent data from the databases even while an update is occurring, a first database (12A); a second database (12B), wherein the first database and second database are substantive copies of each other outside of an update period; a control manager (18) indicates to an update router (16) and a query router (14) which of the databases is the live database and which is the load database. The query router (14) routes queries from applications (10) to the live database.

File 347:JAPIO Oct 1976-2003/Jun(Updated 031006)

(c) 2003 JPO & JAPIO

File 350:Derwent WPIX 1963-2003/UD,UM &UP=200368

(c) 2003 Thomson Derwent

Set	Items	Description
S1	2493946	DATABASE? ? OR DATA()BASE? ? OR REPOSITOR??? OR FILE? ? OR RECORD? ? OR DRIVE OR STORAGE OR VOLUME? ?
S2	58349	(FIRST? OR PRIMARY OR MAIN OR ACTIVE OR LIVE) (5W)S1
S3	59362	(SECOND? OR 2ND OR TWO) (5W)S1
S4	442	S2(5N)S3(5N) (COPY OR COPIE? ? OR DUPLICAT? OR REPLICA? OR - REPRODUC? OR SAME OR IDENTICAL? OR MIRROR? OR CLON???)
S5	81460	(QUERY??? OR QUERIE? ? OR SEARCH??? OR READ???) (7N)S1
S6	149859	(WRIT??? OR INSERT??? OR UPDAT? OR CHANG??? OR MODIF???? OR MODIFICATION? ? OR EDIT??? OR AMEND??? OR LOAD???) (7N)S1
S7	63600	S1(5N) (SWITCH??? OR TOGGL??? OR FLIP???? OR SHIFT??? OR EX-CHANG? OR SWAP???)
S8	2	S4 AND S5 AND S6 AND S7
S9	68069	S1(7N) (COPY OR COPIE? ? OR DUPLICAT? OR REPLICA? OR REPROD-UC? OR SAME OR IDENTICAL? OR MIRROR? OR CLON???)
S10	4	S9 AND S2 AND S3 AND S5 AND S6 AND S7
S11	58	S9 AND S5 AND S6 AND S7
S12	89	S9 AND S2 AND S3 AND S7
S13	58	S8 OR S10:S11
S14	85	S12 NOT S13
S15	27	S14 AND IC=G06F
S16	58	S14 NOT S15

13/5/7 (Item 7 from file: 347)  
DIALOG(R)File 347:JAPIO  
(c) 2003 JPO & JAPIO. All rts. reserv.

06195122 \*\*Image available\*\*  
STILL IMAGE REPRODUCING DEVICE

PUB. NO.: 11-136676 [JP 11136676 A]  
PUBLISHED: May 21, 1999 (19990521)  
INVENTOR(s): KAMIYA AKIYOSHI  
APPLICANT(s): MATSUSHITA ELECTRIC IND CO LTD  
APPL. NO.: 10-208367 [JP 98208367]  
FILED: July 23, 1998 (19980723)  
PRIORITY: 09235087 [JP 979235087], JP (Japan), August 29, 1997  
(19970829)  
INTL CLASS: H04N-007/24; H04N-007/08; H04N-007/081

#### ABSTRACT

PROBLEM TO BE SOLVED: To provide a still image reproducing device where a function of a moving image reproduction device is expanded and by which required still image information (still image information or the like selected by a viewer) is displayed without black-out among received still image information sets.

SOLUTION: A display frame selection section 113 selects only frame data to be reproduced. A display data management section 1604 writes only display data that are received, decoded and are to be **reproduced** to a **storage** area of a display data storage section 1605. The display data management section 1604 and a display control section 1606 are coordinated via a header information **storage** section 1608 to execute **toggle** processing for the display data **storage** section 1605, while the display data management section 1604 **writes** the decoded frame data to an available **storage** area IP. The display control section 1606 keeps **reading** display data from the **storage** area IP to which **write** is completed till write of display data to be reproduced next is finished, and a display section 1607 keeps displaying the display data.

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13/5/8 (Item 8 from file: 347)  
DIALOG(R)File 347:JAPIO  
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05964976 \*\*Image available\*\*  
METHOD FOR TAKEOVER OF DATA FOR **UPDATED FILE**

PUB. NO.: 10-248076 [JP 10248076 A]  
PUBLISHED: September 14, 1998 (19980914)  
INVENTOR(s): KOIZUMI KAZUNORI  
TOYODA MASAYUKI  
SUZUKI MASAMI  
KUWABARA HIROSHI  
OTSUBO YASURO  
FUJISHIMA RYUTARO  
HONDA TORU  
IMAMURA KAZUHIKO  
APPLICANT(s): FUJITSU LTD [000522] (A Japanese Company or Corporation), JP  
(Japan)  
NIPPON TELEGR & TELEPH CORP <NTT> [000422] (A Japanese  
Company or Corporation), JP (Japan)  
APPL. NO.: 09-050042 [JP 9750042]  
FILED: March 05, 1997 (19970305)  
INTL CLASS: [6] H04Q-003/545  
JAPIO CLASS: 44.4 (COMMUNICATION -- Telephone)  
JAPIO KEYWORD: R138 (APPLIED ELECTRONICS -- Vertical Magnetic &  
Photomagnetic Recording)

# ABSTRACT

PROBLEM TO BE SOLVED: To realize takeover of data through **update** of **files** at once in the data takeover method in the case of **updating** the **files** in **duplicate** electronic **exchanges**.

SOLUTION: After loading a new filter to a memory of an exchange 2 in a cold standby side, an active **exchange** 1 processes old **files** to **read** data management information for the new **file** externally and writes the information to the new **file** the **exchange** 2. The active/cold standby the exchanges 1, 2 are replaced with each other and **file update** is restarted, the active exchange 2 processes the new **file** to **read** data management information of the old **file** from the old **file** of the **change** 2 in the cold standby state and generates a new old data cross reference list based on the data management information for the old file and the data management information for the new **file** and **writes** the list to the new **file** and then data take over from the old **file** of the cold standby **exchange** 1 to the new **file** of the active **exchange** 2 is executed based on the new old data cross reference list.

13/5/9 (Item 9 from file: 347)

DIALOG(R)File 347:JAPIO

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05659741 \*\*Image available\*\*

**STORAGE** DEVICE, CONTROL METHOD FOR THE **SAME**, **STORAGE** SYSTEM AND CONTROL METHOD FOR THE **SAME**

PUB. NO.: 09-274541 [JP 9274541 A]

PUBLISHED: October 21, 1997 (19971021)

INVENTOR(s): INOUE ATSUSHI

APPLICANT(s): CANON INC [000100] (A Japanese Company or Corporation), JP (Japan)

APPL. NO.: 08-085533 [JP 9685533]

FILED: April 08, 1996 (19960408)

INTL CLASS: [6] G06F-003/06; G06F-003/06; G06F-003/06

JAPIO CLASS: 45.3 (INFORMATION PROCESSING -- Input Output Units)

JAPIO KEYWORD: R131 (INFORMATION PROCESSING -- Microcomputers & Microprocessors); R138 (APPLIED ELECTRONICS -- Vertical Magnetic & Photomagnetic Recording)

# ABSTRACT

PROBLEM TO BE SOLVED: To provide a recorder with which the occurrence of any defect of all storage areas provided in a storage device can be accurately and automatically detected and predicted and the storage area causing the defect can be automatically **exchanged** with the other **storage** area.

SOLUTION: Concerning a storage device 1 provided with a storage medium, the defect of any **storage** area is checked by successively **reading** and **writing** data over all the **storage** areas consisting of the storage medium while using a defect check program 3a in a memory 3. When an error caused by the check is a retry enabled error, the number of times of that generation is accumulated in a retry time storage area 3b inside the memory 3. Based on the contents of the error caused by the check or the accumulated number of times of occurrence, the defective part of the storage area is detected.

13/5/11 (Item 11 from file: 347)

DIALOG(R)File 347:JAPIO

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05108357 \*\*Image available\*\*

LIBRARY APPARATUS AND ACCESSING FREQUENCY CONTROLLING METHOD OF THE APPARATUS

PUB. NO.: 08-063857 [JP 8063857 A]

PUBLISHED: March 08, 1996 (19960308)  
INVENTOR(s): MIZUKAMI MAKOTO  
IWAZU SHIGETARO  
SAKAI MASAO  
APPLICANT(s): NIPPON TELEGR & TELEPH CORP <NTT> [000422] (A Japanese  
Company or Corporation), JP (Japan)  
APPL. NO.: 06-199969 [JP 94199969]  
FILED: August 24, 1994 (19940824)  
INTL CLASS: [6] G11B-017/22; G06F-003/06; G11B-019/02; G11B-027/10  
JAPIO CLASS: 42.5 (ELECTRONICS -- Equipment); 45.3 (INFORMATION PROCESSING  
-- Input Output Units)  
JAPIO KEYWORD: R080 (CONSTRUCTION -- Automated Warehouses)

#### ABSTRACT

PURPOSE: To provide a library apparatus and a method for controlling an  
accessing frequency of the library apparatus whereby an accessing  
efficiency is improved and an accessing frequency difference due to a  
required memory capacity is surely preserved.

CONSTITUTION: The apparatus is constituted of a plurality of **exchangeable**  
recording media 5, a **drive** 1 for **reading / writing files** to the  
recording media 5, a **storage** 3 having a plurality of storing areas 6 for  
storing the recording media 5, a hand 4 for automatically exchanging the  
recording medium 5 in the drive 1, and an access controller 2 for  
controlling the hand 4 and the drive 1 and also controlling an accessing  
frequency. In switching a storing position for the recording medium 5 in  
the storage 3 in accordance with the accessing frequency of the medium 5,  
files to be recorded to the recording medium 5 are classified into N groups  
(N >= integer of 2) in accordance with a required memory capacity, and only  
**files** classified into the **same** group are recorded to the same recording  
medium 5.

13/5/13 (Item 13 from file: 347)  
DIALOG(R) File 347: JAPIO  
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04929504 \*\*Image available\*\*  
VIDEO REPRODUCING DEVICE

PUB. NO.: 07-222104 [JP 7222104 A]  
PUBLISHED: August 18, 1995 (19950818)  
INVENTOR(s): CHATANI NORIO  
TAKADA HIROYUKI  
HAYASHI KOICHI  
AOYAMA YASUTADA  
NISHIKAWA HIROSHI  
APPLICANT(s): BROTHER IND LTD [000526] (A Japanese Company or Corporation),  
JP (Japan)  
EKUSHINGU KK [000000] (A Japanese Company or Corporation), JP  
(Japan)  
APPL. NO.: 06-007819 [JP 947819]  
FILED: January 27, 1994 (19940127)  
INTL CLASS: [6] H04N-005/93; G10K-015/04; G11B-019/02; G11B-020/00  
JAPIO CLASS: 44.6 (COMMUNICATION -- Television); 42.5 (ELECTRONICS --  
Equipment)  
JAPIO KEYWORD: R102 (APPLIED ELECTRONICS -- Video Disk Recorders, VDR); R131  
(INFORMATION PROCESSING -- Microcomputers & Microprocessors)

#### ABSTRACT

PURPOSE: To obtain a video reproducing device in which a video image is not  
interrupted even when a storage device is replaced with other while the  
video image is being reproduced.

CONSTITUTION: Plural **drive** units 10, 12 of this video **reproducing**  
device read video data from a CDROM 11 storing a video image and transfer  
the data to a video data expansion circuit 18. However, when a **drive** unit  
is **switched** while the video data are transferred to the video data  
expansion circuit 18 and any of the plural drive units 10, 12 is being

selected with each other, before a CPU 2 finishes the transfer of the video data from the CDROM 11 **read** at present, the CPU 2 allows succeeding **drive** units 10, 12 to prepare the **read** / transfer of the video data. Thus, even when the **drive** units are **changed** over during **reproduction** of the video image, the video image is not interrupted and the video image reproduction most suitable for a background video BGV or the like is realized.

13/5/14 (Item 14 from file: 347)  
DIALOG(R)File 347:JAPIO  
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04868576 \*\*Image available\*\*  
DATA-RECORDING/REPRODUCING APPARATUS

PUB. NO.: 07-161176 [JP 7161176 A]  
PUBLISHED: June 23, 1995 (19950623)  
INVENTOR(s): HOSAKA NAOKI  
APPLICANT(s): OLYMPUS OPTICAL CO LTD [000037] (A Japanese Company or Corporation), JP (Japan)  
APPL. NO.: 05-305519 [JP 93305519]  
FILED: December 06, 1993 (19931206)  
INTL CLASS: [6] G11B-027/00; G11B-007/00; G11B-020/12  
JAPIO CLASS: 42.5 (ELECTRONICS -- Equipment)  
JAPIO KEYWORD: R102 (APPLIED ELECTRONICS -- Video Disk Recorders, VDR); R131 (INFORMATION PROCESSING -- Microcomputers & Microprocessors)

#### ABSTRACT

PURPOSE: To **record** / **reproduce** directories of different sector sizes by providing and **switching** to use two kinds of **record** controllers.

CONSTITUTION: Record controllers 28, 29 use different sector types to record directories. After transferring physical track addresses, sector addresses and sector types to a **read** / **write** part 25, the **record** controllers 28, 29 transfer data and confirm the presence/absence of errors at a write time, or receive data and confirm the presence/absence of errors at a read time. A sector-switching device 30 controls a directory size detector 26 and a directory size-switching device 27 in accordance with section selection data or a sector type input from an external device. The directory size detector 26 outputs a section to be used to the read/write part 25, and the switching device 27 outputs **write** data to the **record** controller 28 or 29 corresponding to the selected sector type.

13/5/16 (Item 16 from file: 347)  
DIALOG(R)File 347:JAPIO  
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04266079 \*\*Image available\*\*  
MULTIPLEX **FILE** **SWITCHING** SYSTEM

PUB. NO.: 05-257779 [JP 5257779 A]  
PUBLISHED: October 08, 1993 (19931008)  
INVENTOR(s): SAITO MASAYUKI  
APPLICANT(s): TOHOKU NIPPON DENKI SOFTWARE KK [000000] (A Japanese Company or Corporation), JP (Japan)  
APPL. NO.: 04-055900 [JP 9255900]  
FILED: March 16, 1992 (19920316)  
INTL CLASS: [5] G06F-012/00  
JAPIO CLASS: 45.2 (INFORMATION PROCESSING -- Memory Units)  
JOURNAL: Section: P, Section No. 1675, Vol. 18, No. 24, Pg. 25, January 14, 1994 (19940114)

#### ABSTRACT

PURPOSE: To improve processing efficiency by providing a managing table for multiple files making a logical file corresponding to plural physical **files** , and processing data while alternately **switching** and controlling

the corresponding **files** .

CONSTITUTION: This system is provided with the multiple files making one logical file corresponding to plural physical files A-D, multiple file managing table 2 to manage the relation of correspondence between the logical file and the physical **files** , physical **file switching** part 3, and logical **file** access part 1. According to the multiple file managing table 2, the physical **file switching** part 3 alternately **switches** and controls the respective physical **files** A-D corresponding to the logical file by a request from a user program and the logical **file** access part 1 writes data in the **switched** logical **file** and **reads** data from the logical **file** . Therefore, it is not necessary to interrupt the read processing even at the time of a **copy** processing in the case of **switching** the **files** , and the processing is made efficient.

13/5/17 (Item 17 from file: 347)

DIALOG(R)File 347:JAPIO

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04258407 \*\*Image available\*\*

RECORDING MEDIUM

PUB. NO.: 05-250107 [JP 5250107 A]  
PUBLISHED: September 28, 1993 (19930928)  
INVENTOR(s): YAMAZAKI SHUNPEI  
APPLICANT(s): SEMICONDUCTOR ENERGY LAB CO LTD [470730] (A Japanese Company or Corporation), JP (Japan)  
APPL. NO.: 04-225069 [JP 92225069]  
FILED: July 31, 1992 (19920731)  
INTL CLASS: [5] G06F-003/08; G06F-003/147; G09F-009/00  
JAPIO CLASS: 45.3 (INFORMATION PROCESSING -- Input Output Units); 42.5 (ELECTRONICS -- Equipment); 44.9 (COMMUNICATION -- Other)  
JAPIO KEYWORD: R096 (ELECTRONIC MATERIALS -- Glass Conductors); R131 (INFORMATION PROCESSING -- Microcomputers & Microprocessors)  
JOURNAL: Section: P, Section No. 1671, Vol. 18, No. 11, Pg. 86, January 10, 1994 (19940110)

#### ABSTRACT

PURPOSE: To provide a compact and light-weight display device which contains a book function by adding a ROM and a RAM to a single disk serving as a recording medium.

CONSTITUTION: A ROM and a RAM are provided on a single disk as a unified compact disk 30. That is, a 1st external **storage** medium 11 (ROM for **read** only) consisting of a compact disk is provided together with a 2nd external **storage** medium 11' (RAM for both **write** and **read** ). Therefore one of both reproducing devices 12 is identical with a reflecting ROM type reproducing device consisting of an optical system 13 and a light emitting/receiving system. Meanwhile the other device 12 is **identical** with a RAM type **storage reproducing** device 12' consisting of a magnetic head 15 and a driving system 16. Furthermore a display part is added to show the information on those storage media as the visual detection information. Thus it is possible to secure the information on the books recorded in a disk just by using a single display device having such preceding function, i.e., a single **reproducing** device and also using plural data **files** which are **exchanged** with each other.

13/5/18 (Item 18 from file: 347)

DIALOG(R)File 347:JAPIO

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04252560 \*\*Image available\*\*

**DUPLICATE** OPERATING SYSTEM BY **SWITCHING** EXTERNAL **STORAGE** DEVICE

PUB. NO.: 05-244260 [JP 5244260 A]  
PUBLISHED: September 21, 1993 (19930921)  
INVENTOR(s): SANO NARIYUKI



KOMATSU KATSUYUKI  
MIZUTANI TAKASHI  
ARAI KAZUNORI  
HORIE YASUYUKI

APPLICANT(s): FUJITSU LTD [000522] (A Japanese Company or Corporation), JP  
(Japan)  
NIPPON TELEGR & TELEPH CORP <NTT> [000422] (A Japanese  
Company or Corporation), JP (Japan)  
APPL. NO.: 04-039170 [JP 9239170]  
FILED: February 26, 1992 (19920226)  
INTL CLASS: [5] H04M-003/22; H04L-012/48  
JAPIO CLASS: 44.4 (COMMUNICATION -- Telephone); 44.3 (COMMUNICATION --  
Telegraphy); 45.2 (INFORMATION PROCESSING -- Memory Units)  
JAPIO KEYWORD: R131 (INFORMATION PROCESSING -- Microcomputers &  
Microprocessors)  
JOURNAL: Section: E, Section No. 1484, Vol. 17, No. 710, Pg. 62,  
December 24, 1993 (19931224)

#### ABSTRACT

PURPOSE: To execute the transfer of operation information between an active (ACT) system and a standby (SBY) system through changeover of an external **storage** device in common between **duplicate** systems with respect to an exchange control system adopting duplicate configuration to warrant uninterrupted operation.

CONSTITUTION: The system is provided with the ACT 1, the SBY 2, an external storage device 3 having an area used to store data requiring common share between the systems 1, 2, and a changeover switch 4 switching the connection system of the external storage device 3 and the active system 1 gives a command of transfer data and **write** to the external **storage** device 3. The SBY system 2 implements connection monitor of the external storage device 3. When the transfer of information to the SBY system 2 is required, after the content is **written** to the external **storage** device 3, the SBY system 2 is selected and when the SBY system 2 detects the connection, the state in the system 2 and the processing command in the external storage device 3 are analyzed to decide and execute the processing and the executed result is described in the external **storage** device 3. The ACT system 1 **reads** the information required for its system 1 from the external storage device 3 after a prescribed timing to acquire the information.

13/5/19 (Item 19 from file: 347)

DIALOG(R) File 347:JAPIO  
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04174031 \*\*Image available\*\*  
DUPLEX STORAGE DEVICE

PUB. NO.: 05-165731 [JP 5165731 A]  
PUBLISHED: July 02, 1993 (19930702)  
INVENTOR(s): KANEMASA FUJI  
SHIGA TAKAHIRO  
APPLICANT(s): NEC CORP [000423] (A Japanese Company or Corporation), JP  
(Japan)  
NEC MIYAGI LTD [488885] (A Japanese Company or Corporation),  
JP (Japan)  
APPL. NO.: 03-351921 [JP 91351921]  
FILED: December 13, 1991 (19911213)  
INTL CLASS: [5] G06F-012/16  
JAPIO CLASS: 45.2 (INFORMATION PROCESSING -- Memory Units)  
JOURNAL: Section: P, Section No. 1631, Vol. 17, No. 581, Pg. 19,  
October 21, 1993 (19931021)

#### ABSTRACT

PURPOSE: To eliminate the need of transferring data as duplex and to shorten time required for duplex by simultaneously writing data as duplex and writing data as originally.

CONSTITUTION: When a control processor 1 outputs a mode control signal 10 to a transfer mode setting circuit 5, the circuit 5 outputs the transfer mode signal 11 of a regular mode signal or a duplex mode signal to switching circuits 6 and 7. When the transfer mode signal 11 is the duplex mode signal, the **switching** circuit 6 inputting main **storage** selection signals 19 and 20 from an address decoder 4 outputs the main storage selection signal 19 inputted to a terminal B to a main storage circuit 3 as a main **storage** selection signal. That is, the **same** main **storage** selection signal 21 is outputted to the main storage circuit 2 and 3, and the main **storage** circuits 2 and 3 operate as the same main **storage** space on **writing**. A **read** signal 14 for the main **storage** circuit 3 is inhibited on **reading**, and **reading** from the main **storage** circuit 2 is executed.

13/5/20 (Item 20 from file: 347)  
DIALOG(R)File 347:JAPIO  
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04062230 \*\*Image available\*\*  
COPY DATA WRITE CONTROLLER

PUB. NO.: 05-053930 [JP 5053930 A]  
PUBLISHED: March 05, 1993 (19930305)  
INVENTOR(s): KONO SHINICHIRO  
KONO KENJI  
OKAMOTO HAJIME  
KAWANISHI SEIJI  
KIYOSUGI HIROSHI  
YAMAZAKI HIROSHI  
FUKAI HISATOKU  
APPLICANT(s): HITACHI BUILDING SYST ENG & SERVICE CO LTD [457860] (A  
Japanese Company or Corporation), JP (Japan)  
APPL. NO.: 03-242469 [JP 91242469]  
FILED: August 29, 1991 (19910829)  
INTL CLASS: [5] G06F-012/16; G06F-011/16; G06F-011/30; G11B-019/02;  
G11B-020/10  
JAPIO CLASS: 45.2 (INFORMATION PROCESSING -- Memory Units); 23.1 (ATOMIC  
POWER -- General); 26.9 (TRANSPORTATION -- Other); 42.5  
(ELECTRONICS -- Equipment); 45.1 (INFORMATION PROCESSING --  
Arithmetic Sequence Units)  
JAPIO KEYWORD:R131 (INFORMATION PROCESSING -- Microcomputers &  
Microprocessors)  
JOURNAL: Section: P, Section No. 1570, Vol. 17, No. 363, Pg. 131, July  
08, 1993 (19930708)

#### ABSTRACT

PURPOSE: To provide the copy data write controller which can store data to be stored in a first device in a second device as well almost simultaneously as copy data.

CONSTITUTION: This device is equipped with an address register 31, data register 32 to store address signals and data signals from the first device, operation **copy** data **storage** part connected through **switching** elements 36-38 to these registers, and address discriminating device 34 to decide whether the address signal from the second device is a specified address signal or not and to switch the switching elements 36-38 so that the data of the operation **copy** data **storage** part can be **read** by the second device when the address signal is the specified address signal or that the data of the address register 31 and the data register 32 can be **written** in the operation **copy** data **storage** part when the address signal is not the specified address signal.

13/5/21 (Item 21 from file: 347)  
DIALOG(R)File 347:JAPIO  
(c) 2003 JPO & JAPIO. All rts. reserv.

03356145      \*\*Image available\*\*  
FILE BACK-UP SYSTEM FOR STORAGE DEVICE

PUB. NO.:        03-019045 [JP 3019045 A]  
PUBLISHED:      January 28, 1991 (19910128)  
INVENTOR(s):    OKA NORIYUKI  
APPLICANT(s):   FUJITSU LTD [000522] (A Japanese Company or Corporation), JP  
                  (Japan)  
APPL. NO.:      01-154420 [JP 89154420]  
FILED:          June 16, 1989 (19890616)  
INTL CLASS:     [5] G06F-012/00; G06F-012/00  
JAPIO CLASS:    45.2 (INFORMATION PROCESSING -- Memory Units); 42.5  
                  (ELECTRONICS -- Equipment)  
JOURNAL:        Section: P, Section No. 1189, Vol. 15, No. 144, Pg. 32, April  
                  11, 1991 (19910411)

#### ABSTRACT

PURPOSE: To attain a highly reliable operation in the **file** back-up system by **changing** a back-up **file** into a **file** and at the **same** time producing a new back-up **file** to store it in a file storing area having a lower degree of importance if a **read** error is detected when a **file** of a high degree of importance is **read** out.

CONSTITUTION: A back-up file Fb(1) is held in a storage device 1 only for a prescribed file F(1) having a high degree of importance. At the same time, a relation reference table 3 is prepared in the storage device 1. The table 3 is produced with relation of respective files F(1), F(2)... secured between the information on the file Fb(1), the degree of importance, and the **file exchanging** state. When a **read** error is detected, the **file** F(1) is **changed** 4a by the **file** Fb(1) together with production and storage 4b of a new back-up file by reference to the table 3 as long as the file Fb(1) is available. Thus the contents of the table 3 are rewritten. As a result, the file F(1) stored in the storage device 1 is compensated with high efficiency and a higher reliable operation is attained in a file back-up system.

13/5/22        (Item 22 from file: 347)  
DIALOG(R)File 347:JAPIO  
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03114838      \*\*Image available\*\*  
RECORDING/REPRODUCING SYSTEM FOR KEY OPERATION

PUB. NO.:        02-090338 [JP 2090338 A]  
PUBLISHED:      March 29, 1990 (19900329)  
INVENTOR(s):    HIBI KENJI  
APPLICANT(s):   TOSHIBA CORP [000307] (A Japanese Company or Corporation), JP  
                  (Japan)  
APPL. NO.:      63-242912 [JP 88242912]  
FILED:          September 28, 1988 (19880928)  
INTL CLASS:     [5] G06F-011/34; G06F-003/02  
JAPIO CLASS:    45.1 (INFORMATION PROCESSING -- Arithmetic Sequence Units);  
                  45.3 (INFORMATION PROCESSING -- Input Output Units)  
JAPIO KEYWORD: R131 (INFORMATION PROCESSING -- Microcomputers &  
                  Microprocessors)  
JOURNAL:        Section: P, Section No. 1066, Vol. 14, No. 293, Pg. 140, June  
                  25, 1990 (19900625)

#### ABSTRACT

PURPOSE: To evaluate the interchangeability of distribution software packages by **writing** an optional value into a register **file** in place of a key **switch** to emulate the push/release actions of keys and reproducing the emulation.

CONSTITUTION: A personal computer 101 to be checked is connected to a keyboard 104 via a key input emulator 102 consisting of a register **file**

'capable of simultaneous **reading** / **writing** jobs and a keyboard controller. Then an optional value is **written** into the register **file** in place of a key **switch** for emulation of the push/release actions of keys. This emulation is reproduced. In such a constitution, an automatic recording/reproducing system is attained for operations of keys of the computer 101 with use of the software which emulates the key input via the emulator 102 and **records** and **reproduces** the types and the intervals of the key inputs. Thus it is possible to save the labor required for check of the interchangeability of distribution software that is needed in accordance with the model change of the computer 101.

13/5/23 (Item 23 from file: 347)  
DIALOG(R)File 347:JAPIO  
(c) 2003 JPO & JAPIO. All rts. reserv.

02896323 \*\*Image available\*\*  
INTERFACE FOR AUXILIARY STORAGE DEVICE

PUB. NO.: 01-193923 [JP 1193923 A]  
PUBLISHED: August 03, 1989 (19890803)  
INVENTOR(s): MIZUNO MASAHIRO  
TATENO MINORU  
APPLICANT(s): MITSUBISHI ELECTRIC CORP [000601] (A Japanese Company or Corporation), JP (Japan)  
APPL. NO.: 63-018062 [JP 8818062]  
FILED: January 28, 1988 (19880128)  
INTL CLASS: [4] G06F-003/06; G11B-019/02  
JAPIO CLASS: 45.3 (INFORMATION PROCESSING -- Input Output Units); 42.5 (ELECTRONICS -- Equipment)  
JOURNAL: Section: P, Section No. 954, Vol. 13, No. 488, Pg. 40, November 07, 1989 (19891107)

#### ABSTRACT

PURPOSE: To reduce the number of signal lines between a drive controller and a **drive** by providing **switching** circuits which **switch** two kinds of control information and transfer them through the **same** signal lines in the **drive** controller and the drive.

CONSTITUTION: A switching circuit 22 on the side of the **drive** controller 2 **switches** two kinds of input outputs 10a and 15a, 11a and 16a, 12a and 17a, 13a and 18a of a parallel-serial conversion circuit 3 and a serial-parallel conversion circuit 4 and a read/write control circuit 5, and connects them to the same signal lines 24-27. A switching circuit 23 on the side of the **drive** 1 **switches** the inputs and outputs 10b and 15b, 11b and 16b, 12b and 17b, 13b and 18b of a serial-parallel conversion circuit 6 and a parallel-serial conversion circuit, and a read/write circuit 8 and connects them to the signal lines 24-27. Thus, control information on a **read** / **write** action between the **drive** controller 2 and the drive 1 and other information are time-divided and the same signal lines are shared, whereby the number of the signal lines can be reduced.

13/5/24 (Item 24 from file: 347)  
DIALOG(R)File 347:JAPIO  
(c) 2003 JPO & JAPIO. All rts. reserv.

02762586 \*\*Image available\*\*  
PROGRAM MODIFYING SYSTEM

PUB. NO.: 01-060186 [JP 1060186 A]  
PUBLISHED: March 07, 1989 (19890307)  
INVENTOR(s): KINOSHITA KENJI  
MITA AKIHIRO  
APPLICANT(s): NEC CORP [000423] (A Japanese Company or Corporation), JP (Japan)  
APPL. NO.: 62-217207 [JP 87217207]  
FILED: August 31, 1987 (19870831)

INTL CLASS: [4] H04Q-003/545; H04M-003/00; H04M-003/22  
JAPIO CLASS: 44.4 (COMMUNICATION -- Telephone)  
JOURNAL: Section: E, Section No. 776, Vol. 13, No. 270, Pg. 67, June  
21, 1989 (19890621)

#### ABSTRACT

PURPOSE: To prevent a decline in a call service by copying once the contents of a **first** storage device into a **second storage** device and executing an **exchanging** processing after that when the change of a **reading** dedicated memory in the **first storage** device is executed.

CONSTITUTION: When the exchange of the **reading** dedicated memory of a **first storage** device 130 is executed for **modifying** a program, a **second storage** device 140 is mounted onto a system and by using a terminal 120 for maintenance, an instruction is issued to a central processing unit 100 to **copy** the contents of the **first storage** device 130 into the **second storage** device 140. The central processing unit suspends the call service once, **reads** out the contents of the **first storage** device 130 by using a memory bus 161 and writes them into the second device 140. After the processing that the contents of the **first storage** device are **written** into the **second storage** device 140 is completed, the central processing unit 100 controls a memory bus switching device 110, switches a memory access destination to the **second storage** device 140 and resumes the call service. Thus, the service is not suspended and the continuity of the call is held.

13/5/26 (Item 26 from file: 347)  
DIALOG(R)File 347:JAPIO  
(c) 2003 JPO & JAPIO. All rts. reserv.

02251597 \*\*Image available\*\*

**DATA BASE** PROCESSING SYSTEM FOR **EXCHANGE** -PROCESSING PROGRAM

PUB. NO.: 62-168497 [JP 62168497 A]  
PUBLISHED: July 24, 1987 (19870724)  
INVENTOR(s): HASHIMOTO SHUICHI  
APPLICANT(s): NEC CORP [000423] (A Japanese Company or Corporation), JP  
(Japan)  
APPL. NO.: 61-009430 [JP 869430]  
FILED: January 20, 1986 (19860120)  
INTL CLASS: [4] H04Q-003/545; G06F-012/00  
JAPIO CLASS: 44.4 (COMMUNICATION -- Telephone); 45.2 (INFORMATION  
PROCESSING -- Memory Units)  
JOURNAL: Section: E, Section No. 572, Vol. 12, No. 9, Pg. 19, January  
12, 1988 (19880112)

#### ABSTRACT

PURPOSE: To drastically decrease the program- **modification** pertinent to **data - base change** by segmenting a program executing an exchange-processing and a program directly accessing the data base in hierarchy.

CONSTITUTION: The **exchange** -processing program 1 and **data - base** control programs 2a and 3b are logically connected through a memory interface by means of a connecting memory for **data base - read / write** -instruction inputting HI and a connecting memory for instruction-result outputting HO. In case where the physical location of the **data base** 3 is **changed** and at the **same** time a data-structure is **modified**, the structure of the internal processing the **data base** 3 is executed through an inter-processor communication (a). Therefore, the program 1 does not need to be **modified** in association with the **modification** of the **data base** 3.

13/5/28 (Item 28 from file: 347)  
DIALOG(R)File 347:JAPIO  
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01909857     \*\*Image available\*\*  
STORAGE DEVICE

PUB. NO.:        61-123957 [JP 61123957 A]  
PUBLISHED:      June 11, 1986 (19860611)  
INVENTOR(s):    ISHIKAWA KENJI  
APPLICANT(s):   NEC CORP [000423] (A Japanese Company or Corporation), JP  
                  (Japan)  
APPL. NO.:      59-246500 [JP 84246500]  
FILED:          November 21, 1984 (19841121)  
INTL CLASS:     [4] G06F-012/16; G06F-011/08  
JAPIO CLASS:    45.2 (INFORMATION PROCESSING -- Memory Units); 45.1  
                  (INFORMATION PROCESSING -- Arithmetic Sequence Units)  
JOURNAL:        Section: P, Section No. 509, Vol. 10, No. 312, Pg. 131,  
                  October 23, 1986 (19861023)

#### ABSTRACT

PURPOSE: To reduce soft errors by detecting the errors after **reading** total address space of a **storage** circuit every prescribed times period required for a refresh cycle, correcting these errors to **write** them in the **storage** circuit and **shifting** to refresh operation.

CONSTITUTION: After generating internal information through an address generating circuit 15 every period of integral times of refresh operation period, a normal **reading** is executed to a **storage** circuit 6 corresponding to the internal address. If there is no error, as a result of detecting the read data of this address by means of an error detecting/correcting circuit 8, normal refresh operation is executed in sequence. On the other hand, if one bit error is detected in the error detecting/correcting circuit 8, writing is executed after correcting the said bit, the corrected data is again **written** in the **storage** circuit of **same** address via a switch 2 and an error correction signal generating circuit 4, and then normal refresh operation is started. Thus it is possible to save the soft errors by above-mentioned sequential operations for total address space of the storage circuit 6.

13/5/32        (Item 32 from file: 347)  
DIALOG(R)File 347:JAPIO  
(c) 2003 JPO & JAPIO. All rts. reserv.

01407998     \*\*Image available\*\*  
DUAL STORAGE DEVICE

PUB. NO.:        59-119598 [JP 59119598 A]  
PUBLISHED:      July 10, 1984 (19840710)  
INVENTOR(s):    ENOKI TSUNEHISA  
APPLICANT(s):   NEC CORP [000423] (A Japanese Company or Corporation), JP  
                  (Japan)  
APPL. NO.:      57-231775 [JP 82231775]  
FILED:          December 27, 1982 (19821227)  
INTL CLASS:     [3] G11C-029/00  
JAPIO CLASS:    45.2 (INFORMATION PROCESSING -- Memory Units)  
JOURNAL:        Section: P, Section No. 313, Vol. 08, No. 248, Pg. 26,  
                  November 14, 1984 (19841114)

#### ABSTRACT

PURPOSE: To improve the reliability of the readout content of stored information by performing reading operation while comparing an error check code generated from write data with an error check code generated from read data.

CONSTITUTION: Data are **written** in two **storage** devices 1 and 2 at the **same** time and an error check code PE is generated and stored in an error check code **storage** circuit 4. The **read** signal of the **storage** device 1 or 2 is selected when no signal is inputted in reading operation to generate an error check code PE', which is outputted while compared with the error check code PE of the write data; when an error in **read** data is

detected, the readout **storage** device is **switched** immediately. Thus, the collation is carried out invariably prior to output operation to an external circuit, so the reliability of the read contents of stored information is improved remarkably.

13/5/33 (Item 33 from file: 347)  
DIALOG(R)File 347:JAPIO  
(c) 2003 JPO & JAPIO. All rts. reserv.

01060199 \*\*Image available\*\*  
STORAGE DEVICE SYSTEM

PUB. NO.: 57-210499 [JP 57210499 A]  
PUBLISHED: December 24, 1982 (19821224)  
INVENTOR(s): KODAMA TAKASHI  
APPLICANT(s): MITSUBISHI ELECTRIC CORP [000601] (A Japanese Company or Corporation), JP (Japan)  
APPL. NO.: 56-094860 [JP 8194860]  
FILED: June 19, 1981 (19810619)  
INTL CLASS: [3] G11C-029/00; G06F-011/16; G06F-013/00  
JAPIO CLASS: 45.2 (INFORMATION PROCESSING -- Memory Units); 45.1 (INFORMATION PROCESSING -- Arithmetic Sequence Units)  
JOURNAL: Section: P, Section No. 184, Vol. 07, No. 67, Pg. 51, March 19, 1983 (19830319)

#### ABSTRACT

PURPOSE: To improve reliability by storing the **same** data in two **storage** devices, and regarding only a two-bit error, which occurs at the same addresses at the same time, as a fault.

CONSTITUTION: One of storage devices 7A and 7B are specified as a master device, and the other is specified as a slave device; and they are **switched** optionall by a **storage** controller 5 and graphs showing the master and slave are added. For data writing, data are **written** in both the master and slave **storage** devices simultaneously, and for data **reading**, data are read out of the master device firstly. If a two-bit error occurs in one **storage** device during **reading** operation, a check on whether the error is an address-over error (whether the storage of data is doubled or not) is made and then the contents of both the storage devices are checked.

13/5/37 (Item 4 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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014621690 \*\*Image available\*\*  
WPI Acc No: 2002-442394/200247  
Related WPI Acc No: 2002-731253  
XRPX Acc No: N02-348390

**Data storage system for data processing system, has system manager operating in two modes such that in one mode logical volume acts as mirror to another logical volume and in other mode it ceases to act as mirror**

Patent Assignee: EMC CORP (EMCE-N)  
Inventor: GAGNE M; KOPYLOVITZ H; OFEK Y; VISHLITZKY N  
Number of Countries: 001 Number of Patents: 001  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6370626	B1	20020409	US 99303242	A	19990430	200247 B

Priority Applications (No Type Date): US 99303242 A 19990430

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 6370626	B1	24	G06F-012/00	

Abstract (Basic): US 6370626 B1

NOVELTY - A system manager operates the disk drives in one mode in

which a logical **volume** acts as a **mirror storage** for another when one application is accessed and ceases to act as mirror in another mode while accessing other application. Disk adaptors, while transferring to the second mode, accesses parallelly all the pending **write** and **read** requests, for the two logical **volumes** to access respective applications.

DETAILED DESCRIPTION - INDEPENDENT CLAIM are included for the following:

(1) Method for enabling two applications to manipulate common data; and

(2) Data transfer control method.

USE - Used in data processing system running multiple applications simultaneously.

ADVANTAGE - Introduces only minimal interruption to execute applications by allowing a **storage** device to **switch** between two operating modes.

DESCRIPTION OF DRAWING(S) - The figure shows the operation of various components in response to data transfer request as a flowchart.

pp; 24 DwgNo 5/12

Title Terms: DATA; STORAGE; SYSTEM; DATA; PROCESS; SYSTEM; SYSTEM; MANAGE;  
OPERATE; TWO; MODE; ONE; MODE; LOGIC; VOLUME; ACT; MIRROR; LOGIC; VOLUME;  
MODE; CEASE; ACT; MIRROR  
Derwent Class: T01; T03  
International Patent Class (Main): G06F-012/00  
File Segment: EPI

**13/5/44 (Item 11 from file: 350)**

DIALOG(R)File 350:Derwent WPIX

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012851266 \*\*Image available\*\*

WPI Acc No: 2000-023098/200002

XRFX Acc No: N00-017212

**Rotating data access unit in data card drive system**

Patent Assignee: DCARD INC (DCAR-N); KING F K (KING-I); LIU J F (LIUJ-I);

WONG M (WONG-I); OAK TECHNOLOGY INC (OAKT-N)

Inventor: KING F K; LIU J F; KING P; RIYU J; LIU J; MAO S; WONG M; KOSHAL R  
; CHIANG K

Number of Countries: 023 Number of Patents: 023

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9953496	A1	19991021	WO 99US7817	A	19990409	200002 B
CN 1272208	A	20001101	CN 99800515	A	19990409	200112
EP 1086464	A1	20010328	EP 99917385	A	19990409	200118
			WO 99US7817	A	19990409	
KR 2001013598	A	20010226	WO 99US7817	A	19990409	200154
			KR 99711608	A	19991209	
US 6307709	B1	20011023	US 9881257	P	19980409	200165
			US 99289276	A	19990409	
US 20010033446	A1	20011025	US 9881257	P	19980409	200170
			US 99289427	A	19990409	
			US 2001774200	A	20010129	
US 6311893	B1	20011106	US 9881257	P	19980409	200170
			US 99289280	A	19990409	
US 20010052543	A1	20011220	US 9881257	P	19980409	200206
			US 99289431	A	19990409	
US 6339569	B1	20020115	US 9881257	P	19980409	200208
			US 99289271	A	19990409	
US 20020005432	A1	20020117	US 9881257	P	19980409	200212
			US 99289280	A	19990409	
			US 2001922572	A	20010803	
US 20020014534	A1	20020207	US 9881257	P	19980409	200213
			US 99289447	A	19990409	
JP 2002515160	W	20020521	JP 99551867	A	19990409	200236
			WO 99US7817	A	19990409	
US 6417980	B1	20020709	US 9881257	P	19980409	200253



			US 99289427	A	19990409	
US 20020095734	A1	20020725	US 9881257	P	19980409	200254
			US 200268338	A	20020206	
			US 2002102302	A	20020319	
US 20020104882	A1	20020808	US 9881257	P	19980409	200254
			US 99289566	A	19990409	
US 20020138808	A1	20020926	US 9881257	P	19980409	200265
			US 99289247	A	19990409	
			US 2001969288	A	20011001	
US 20020186495	A1	20021212	US 9881257	P	19980409	200301
			US 99289427	A	19990409	
			US 2002191959	A	20020708	
US 6499659	B1	20021231	US 9881257	P	19980409	200305
			US 99433781	A	19991103	
US 6502755	B2	20030107	US 9881257	P	19980409	200306
			US 99289447	A	19990409	
US 6545831	B1	20030408	US 9881257	P	19980409	200327
			US 99289427	A	19990409	
			US 2000688772	A	20001011	
US 6574776	B1	20030603	US 99289247	A	19990409	200339 N
US 6588671	B2	20030708	US 9881257	P	19980409	200353
			US 99289280	A	19990409	
			US 2001922572	A	20010803	
TW 509877	A	20021111	TW 99105647	A	19990409	200353

Priority Applications (No Type Date): US 9881257 P 19980409; US 99289276 A 19990409; US 99289427 A 19990409; US 2001774200 A 20010129; US 99289280 A 19990409; US 99289431 A 19990409; US 99289271 A 19990409; US 2001922572 A 20010803; US 99289447 A 19990409; US 200268338 A 20020206; US 2002102302 A 20020319; US 99289566 A 19990409; US 99289247 A 19990409; US 2001969288 A 20011001; US 2002191959 A 20020708; US 99433781 A 19991103; US 2000688772 A 20001011

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 9953496	A1	E	30	G11B-025/04	
Designated States (National): CN JP KR					
Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE					
CN 1272208	A			G11B-025/04	
EP 1086464	A1	E		G11B-025/04	Based on patent WO 9953496
Designated States (Regional): AT BE DE ES FR GB IT NL					
KR 2001013598	A			G11B-025/04	
US 6307709	B1			G11B-023/00	Provisional application US 9881257
US 20010033446	A1			G11B-005/09	Provisional application US 9881257
CIP of application US 99289427					
US 6311893	B1			G06K-007/10	Provisional application US 9881257
US 20010052543	A1			G06K-007/08	Provisional application US 9881257
CIP of application US 99289280					
US 6339569	B1			G11B-007/00	Provisional application US 9881257
US 20020005432	A1			G06K-007/10	Provisional application US 9881257
CIP of application US 99289280					
US 20020014534	A1			G06K-019/00	Provisional application US 9881257
CIP of application US 200268338					
JP 2002515160	W	27		G11B-021/02	Based on patent WO 9953496
US 6417980	B1			G11B-021/02	Provisional application US 9881257
US 20020095734	A1			A61C-017/22	Provisional application US 9881257
CIP of application US 200268338					
US 20020104882	A1			G06K-007/10	Provisional application US 9881257
US 20020138808	A1			G06F-011/00	Provisional application US 9881257
CIP of application US 99289247					
US 20020186495	A1			G11B-021/02	Provisional application US 9881257

Cont of application US 99289427

US 6499659	B1	G06K-007/08	Cont of patent US 6417980
US 6502755	B2	G06K-019/00	Provisional application US 9881257
US 6545831	B1	G11B-005/09	Provisional application US 9881257
			Provisional application US 9881257
			CIP of application US 99289427
			CIP of patent US 6417980
US 6574776	B1	G06F-011/00	
US 6588671	B2	G06K-007/00	Provisional application US 9881257
			CIP of application US 99289280
			CIP of patent US 6311893
TW 509877	A	G06K-007/00	

Abstract (Basic): WO 9953496 A1

NOVELTY - A data access unit performs a rotational movement for accessing data over arc segments of rotational movement. A data signal transformer (120) transforms data signal related to data accessed by pick-up head (150). A movable carriage (115) carries out horizontal linear movement of the access unit.

DETAILED DESCRIPTION - A motor (110) mounted at a fixed position on the movable carriage drives the pick-up head and is controlled along with the carriage by a servo control. A lifting mechanism is provided for loading and unloading of the pick-up head. A **switch** is mounted on the **drive** device for moving the pick-up head for accessing the data at user intended location and LCD panel displays the location. An INDEPENDENT CLAIM is also included for data storage card.

USE - In data card **drive** system for **reading** and **writing** data cards of PCMCIA type or common credit card size.

ADVANTAGE - All data tracks have **same** length for data **storage** and data bits are stored with uniform density, thus data access is performed over data storage medium surface. A subsystem is provided with local memory storage for convenient interface with personal computer or peripheral devices to achieve higher speed operations.

DESCRIPTION OF DRAWING(S) - The figure shows the top view of data card drive system.

Motor (110)  
Movable carriage (115)  
Data signal transformer (120)  
Pick-up head (150)  
pp; 30 DwgNo 1A/4

Title Terms: ROTATING; DATA; ACCESS; UNIT; DATA; CARD; DRIVE; SYSTEM

Derwent Class: P32; T03

International Patent Class (Main): A61C-017/22; G06F-011/00; G06K-007/00;  
G06K-007/08; G06K-007/10; G06K-019/00; G11B-005/09; G11B-007/00;  
G11B-021/02; G11B-023/00; G11B-025/04

International Patent Class (Additional): G06K-007/14; G11B-003/00;  
G11B-005/52; G11B-005/55; G11B-005/58; G11B-005/596; G11B-007/0033;  
G11B-007/085; G11B-007/12; G11B-017/00; H03M-013/00

File Segment: EPI; EngPI

13/5/45 (Item 12 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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012783197 \*\*Image available\*\*

WPI Acc No: 1999-589423/199950

XRPX Acc No: N99-434595

**Magnetic storage system for storing binary bit information**

Patent Assignee: UNIV MINNESOTA (MINU )

Inventor: CHOU S Y

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5956216	A	19990921	US 95448807	A	19950524	199950 B
			US 96762781	A	19961210	

Priority Applications (No Type Date): US 95448807 A 19950524; US 96762781 A 19961210

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5956216	A		14	G11B-005/74	Div ex application US 95448807 Div ex patent US 5820769

Abstract (Basic): US 5956216 A

NOVELTY - Several single domain magnetic storage elements (16) are placed vertically on a non-magnetic substrate (14). Each magnetic storage element has same size, shape, and is also made of same material. Each of these magnetic elements is anisotropic so that without an external magnetic field, the magnetic moments of each magnetic elements are automatically aligned.

DETAILED DESCRIPTION - Each discrete magnetic element represents binary bit of information. Each of these discrete magnetic elements is separated from each other by a non-magnetic material (18). The spacing between two neighboring discrete magnetic elements is made larger than 5 nm to reduce exchange interaction between magnetic storage elements. Read - write head is provided to read and write binary bit information to the magnetic elements. An INDEPENDENT CLAIM is also included for magnetic storage medium.

USE - For storing binary bit information.

ADVANTAGE - As the writing process does not define location, shape and magnetization value of bit, the writing process is simplified. As the spacing between each magnetic elements is made large, the exchange interaction between elements is reduced. As each magnetic element is separated by non-magnetic material, the disk can track every bit individually. The reading is less jittery as boundary between each bits is well defined.

DESCRIPTION OF DRAWING(S) - The figure shows the magnetic storage medium system.

Non-magnetic substrate (14)

Single domain magnetic storage elements (16)

Non-magnetic material (18)

pp; 14 DwgNo 1B/8

Title Terms: MAGNETIC; STORAGE; SYSTEM; STORAGE; BINARY; BIT; INFORMATION

Derwent Class: T03

International Patent Class (Main): G11B-005/74

International Patent Class (Additional): G11B-023/00

File Segment: EPI

13/5/53 (Item 20 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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009206313 \*\*Image available\*\*

WPI Acc No: 1992-333734/199241

XRPX Acc No: N92-254742

Accessing bank of data storage devices with computer - allowing direct accessing of computer drive controller to every non-volatile data storage device of drive bank to read or copy data into separate storage media

Patent Assignee: INT BUSINESS MACHINES CORP (IBM )

Inventor: ADAMS B A; STEVENS M R

Number of Countries: 005 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 507503	A2	19921007	EP 92302637	A	19920326	199241 B
EP 507503	A3	19930929	EP 92302637	A	19920326	199509
US 5678023	A	19971014	US 91681013	A	19910405	199747
			US 94308466	A	19940919	

Priority Applications (No Type Date): US 91681013 A 19910405; US 94308466 A 19940919

Cited Patents: No-SR.Pub; EP 266789; WO 8707405; WO 9101021

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 507503	A2	E	15	G06F-003/06	

Designated States (Regional): DE FR GB IT  
US 5678023 A 13 G06F-013/00 Cont of application US 91681013  
EP 507503 A3 G06F-003/06

Abstract (Basic): EP 507503 A

The apparatus comprises a drive bank including a number of independently operable nonvolatile data **storage** devices. Each **reads** data out from, and **copies** data into, separate **storage** media. The number of nonvolatile data storage devices exceeds the set maximum number of devices within the range of control.

A control interface electrically coupled between the drive bank, controller and the computer receives signals for selectively enabling and disabling selected ones of the devices in the drive bank. The drive controller is thus allowed direct access to every data **storage** device of the **drive** bank to **read** data out from, and **copy** data into, each separate **storage** media.

USE/ADVANTAGE - Minimises amount of human attention and interaction required in transferring lengthy files which exceed storage capacity of storage media employed.

Dwg.2/5

Title Terms: ACCESS; BANK; DATA; STORAGE; DEVICE; COMPUTER; ALLOW; DIRECT; ACCESS; COMPUTER; DRIVE; CONTROL; NON; VOLATILE; DATA; STORAGE; DEVICE; DRIVE; BANK; READ; COPY; DATA; SEPARATE; STORAGE; MEDIUM

Derwent Class: T01; T03

International Patent Class (Main): G06F-003/06; G06F-013/00

International Patent Class (Additional): G06F-009/455

File Segment: EPI

15/5/5 (Item 5 from file: 347)  
DIALOG(R)File 347:JAPIO  
(c) 2003 JPO & JAPIO. All rts. reserv.

05667401 \*\*Image available\*\*  
INFORMATION STORAGE AND MANAGEMENT DEVICE

PUB. NO.: 09-282201 [JP 9282201 A]  
PUBLISHED: October 31, 1997 (19971031)  
INVENTOR(s): SAITO ATSUSHI  
MATSUZAWA SHIGERU  
TAKIYASU YOSHIHIRO  
APPLICANT(s): HITACHI LTD [000510] (A Japanese Company or Corporation), JP  
(Japan)  
APPL. NO.: 08-090783 [JP 9690783]  
FILED: April 12, 1996 (19960412)  
INTL CLASS: [6] G06F-012/00 ; G06F-003/06 ; G06F-003/06 ; G11B-027/00  
JAPIO CLASS: 45.2 (INFORMATION PROCESSING -- Memory Units); 42.5  
(ELECTRONICS -- Equipment); 45.3 (INFORMATION PROCESSING --  
Input Output Units)

#### ABSTRACT

PROBLEM TO BE SOLVED: To provide an information storage and management device for improving the utilization efficiency of the medium capacity of a storage medium and facilitating the management of stored information.

SOLUTION: The storage device for storing the information on numbers is constituted of a **first storage** device constituted of a recording and **reproducing** means 12 and the **exchangeable storage** medium 11 loaded to the recording and **reproducing** means 12 for performing recording and **reproduction**, the **storage** device 7 of management information for storing the number of times of the access of other information accessed in relation to certain information as history management information and the **second storage** device of high access performance and small storage capacity and is provided with a computer 2 for controlling the recording and **reproducing** operation of the **storage** device further. The computer 2 stores second information relating to first information along with the **first** information altogether in the **same storage** medium of the **storage** device 1 based on the history management information stored in the storage device 7 of the management information.

15/5/6 (Item 6 from file: 347)  
DIALOG(R)File 347:JAPIO  
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04097119 \*\*Image available\*\*  
EXTERNAL STORAGE DEVICE CONTROLLING SYSTEM

PUB. NO.: 05-088819 [JP 5088819 A]  
PUBLISHED: April 09, 1993 (19930409)  
INVENTOR(s): MISEKI SHINOBU  
APPLICANT(s): NEC CORP [000423] (A Japanese Company or Corporation), JP  
(Japan)  
APPL. NO.: 03-249742 [JP 91249742]  
FILED: September 27, 1991 (19910927)  
INTL CLASS: [5] G06F-003/06 ; G06F-003/06  
JAPIO CLASS: 45.3 (INFORMATION PROCESSING -- Input Output Units)  
JOURNAL: Section: P, Section No. 1589, Vol. 17, No. 432, Pg. 126,  
August 10, 1993 (19930810)

#### ABSTRACT

PURPOSE: To automatically alternate an error area without stopping a user work and to repair the data of an external storage device after one unit of the external **storage** device which is redundant is **exchanged**, in parallel to the user work.

CONSTITUTION: Two external **storage** devices are classified into a **main** external **storage** device 16 and a sub-external **storage** device 17 and

the **same** data are stored in both **storage** devices. That is, external storage devices 16 and 17 are in a redundant relation. An I/O control means 12 converts and delivers the request designated from a user to a low-order module. An external storage device control means 13 controls the external storage devices 16 and 17 based on the request received from the I/O control means 12. An automatic alternating means 14 performs automatically the alternate processing. A repairing function means 15, when one unit of the external **storage** devices 16 and 17 is **exchanged**, makes the user data, etc., of the exchanged one unit into the usable condition during the operation of the user work.

15/5/7 (Item 7 from file: 347)

DIALOG(R)File 347:JAPIO

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04000049 \*\*Image available\*\*

FILE BACKUP SYSTEM FOR INFORMATION PROCESSING SYSTEM

PUB. NO.: 04-365149 [JP 4365149 A]

PUBLISHED: December 17, 1992 (19921217)

INVENTOR(s): OKAWACHI KAZUTAKA

APPLICANT(s): NEC CORP [000423] (A Japanese Company or Corporation), JP  
(Japan)

APPL. NO.: 03-140497 [JP 91140497]

FILED: June 13, 1991 (19910613)

INTL CLASS: [5] G06F-012/00 ; G06F-012/16

JAPIO CLASS: 45.2 (INFORMATION PROCESSING -- Memory Units)

JOURNAL: Section: P, Section No. 1535, Vol. 17, No. 242, Pg. 130, May  
14, 1993 (19930514)

#### ABSTRACT

PURPOSE: To always restore a faulty file without a magnetic tape by simple remodeling.

CONSTITUTION: This system is provided with **first** and **second** backup **files** which are not managed by the system. The system is in a state T2 after maintenance work, and a maintenance file is updated into a **file** B. Thereafter, **file** **switching** is performed by a **file** **switching** processing means 103, and a state T3 is set, and a state T5 corresponding to a state T1 is set by **file** **copy**. If fault occurs in an online **file** during execution of the maintenance work, contents of the **first** backup **file** are **copied** to the online **file**, and thereafter, online and maintenance **files** are **switched** by the **file** **switching** processing means 103. As the result, the online file is in the latest generation.

15/5/8 (Item 8 from file: 347)

DIALOG(R)File 347:JAPIO

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03868555 \*\*Image available\*\*

DUPLEX MEMORY CONTROLLER SYSTEM CAPABLE OF HANDLING DUPLEX **MAIN** **STORAGE**  
DEVICE

PUB. NO.: 04-233655 [JP 4233655 A]

PUBLISHED: August 21, 1992 (19920821)

INVENTOR(s): NAKAGAWA TOSHIKAZU

APPLICANT(s): NEC CORP [000423] (A Japanese Company or Corporation), JP  
(Japan)

APPL. NO.: 02-415474 [JP 90415474]

FILED: December 28, 1990 (19901228)

INTL CLASS: [5] G06F-015/16 ; G06F-011/00

JAPIO CLASS: 45.4 (INFORMATION PROCESSING -- Computer Applications); 45.1  
(INFORMATION PROCESSING -- Arithmetic Sequence Units)

JOURNAL: Section: P, Section No. 1463, Vol. 16, No. 586, Pg. 2,  
December 25, 1992 (19921225)

#### ABSTRACT

PURPOSE: To easily execute backup when an operating system(OS) detects software error and to execute backup as well even when error is generated at a memory controller at an information processing system equipped with a duplex **main storage** device and the memory controller.

CONSTITUTION: An OS load means is provided to load the OS in a **secondary storage** device to the **active main storage** device in the case of an initial boot strap request, and a first OS copy means is provided to copy the memory contents of the above-mentioned **active main storage** device to the other **main storage** device. Then, a **main storage** device **switching** means is provided to **switch** the **active main storage** device to a standby **main storage** device in the case of the boot strap request after the second one, and an OS copy means is provided to execute copying from an OS **storage main storage** device for **copy** to the **active main storage** device. Further, a memory controller **switching** means is provided to switch the active memory controller to a standby memory controller when error is generated at the active memory controller.

15/5/9 (Item 9 from file: 347)

DIALOG(R)File 347:JAPIO

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03823363 \*\*Image available\*\*  
DISK DRIVING APPARATUS

PUB. NO.: 04-188463 [JP 4188463 A]  
PUBLISHED: July 07, 1992 (19920707)  
INVENTOR(s): MATSUMOTO YOSHIKO  
MIYAZAKI MICHIO  
YOTSUYA MORIHIKO  
APPLICANT(s): HITACHI LTD [000510] (A Japanese Company or Corporation), JP  
(Japan)  
APPL. NO.: 02-318446 [JP 90318446]  
FILED: November 22, 1990 (19901122)  
INTL CLASS: [5] G11B-019/02; **G06F-003/06** ; G11B-020/10  
JAPIO CLASS: 42.5 (ELECTRONICS -- Equipment); 45.3 (INFORMATION PROCESSING  
-- Input Output Units)  
JAPIO KEYWORD: R131 (INFORMATION PROCESSING -- Microcomputers &  
Microprocessors)  
JOURNAL: Section: P, Section No. 1442, Vol. 16, No. 514, Pg. 124,  
October 22, 1992 (19921022)

#### ABSTRACT

PURPOSE: To make it possible to select a disk drive at a position where the number of drives which can be accessed at one time is not decreased in the arrangement of the disk drives constituting a group even after the **switching** of a disk **drive** when a fault occurs in the disk drive by providing a standby drive in a logical drive group.

CONSTITUTION: A disk-array controlling device 70 controls a disk array device 80 in accordance with the instruction from a CPU 60. At this time, a logical drive group has a standby drive. When a fault occurs in any drive and the standby **drive** is present in the **same** group as the faulty **drive**, or when the standby **drive** which is controlled by the **same** control means as the control means controlling the faulty drive is present, the **first** mode is started, and the **drive** is **switched**. When the standby **drive** is not present, the **second** mode is started, and the **drive** is **switched**. Such a function is provided. Thus, the performance of each group wherein the standby **drive** is used by the **switching** when the fault occurs in the **drive** can be maintained at the **same** performance as one before the switching.

15/5/10 (Item 10 from file: 347)

DIALOG(R)File 347:JAPIO

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03807409     \*\*Image available\*\*  
OPTICAL COMPUTER

PUB. NO.:        04-172509 [JP 4172509 A]  
PUBLISHED:      June 19, 1992 (19920619)  
INVENTOR(s):    KURODA YASUHISA  
APPLICANT(s):   NIPPON SHEET GLASS CO LTD [000400] (A Japanese Company or  
                 Corporation), JP (Japan)  
APPL. NO.:      02-301603 [JP 90301603]  
FILED:          November 07, 1990 (19901107)  
INTL CLASS:     [5]    **G06F-001/00**  
JAPIO CLASS:    45.9 (INFORMATION PROCESSING -- Other)  
JOURNAL:        Section: P, Section No. 1432, Vol. 16, No. 483, Pg. 85,  
                 October 07, 1992 (19921007)

#### ABSTRACT

PURPOSE: To double an amount of operation per unit area by separating an input image into two, by shifting one image as it is, further by reversing and shifting the other image, and furthermore overlaying these two images.

CONSTITUTION: An image that is output from an image input section 1 is duplicated into two at a separator 2. One of two duplicated images output from the separator 2 is reversed by a reverser 2, and stored and **shifted** in the first input image **storage / shift** section 4. Further, the other **duplicated** image to be output from the separator 2 is stored and **shifted** in the **second** input image **storage / shift** section 5. Images output from shift sections 4 and 5 are treated for image formation by coupler 6, and is overlayed by an input image overlay section 9 onto an image stored in the past by the input image overlay section 9. An image output from the overlay section 9 is masked 8, and reversed at a threshold value processing section 9. An image output from the processing section 9 is **shifted** by a mask image **storage . shift** section 10 in accordance with a replacing pattern, and is overlayed by a mask image overlay section 11 onto an image stored in the past and stored therein.

15/5/13        (Item 13 from file: 347)  
DIALOG(R)File 347:JAPIO  
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02899027     \*\*Image available\*\*  
SYSTEM FOR UPDATING SOFTWARE

PUB. NO.:        01-196627 [JP 1196627 A]  
PUBLISHED:      August 08, 1989 (19890808)  
INVENTOR(s):    TANAKA AKIRA  
APPLICANT(s):   NEC CORP [000423] (A Japanese Company or Corporation), JP  
                 (Japan)  
APPL. NO.:      63-021074 [JP 8821074]  
FILED:          January 30, 1988 (19880130)  
INTL CLASS:     [4]    **G06F-009/06 ; G06F-003/06 ; G06F-012/00**  
JAPIO CLASS:    45.1 (INFORMATION PROCESSING -- Arithmetic Sequence Units);  
                 45.2 (INFORMATION PROCESSING -- Memory Units); 45.3  
                 (INFORMATION PROCESSING -- Input Output Units)  
JOURNAL:        Section: P, Section No. 955, Vol. 13, No. 492, Pg. 129,  
                 November 08, 1989 (19891108)

#### ABSTRACT

PURPOSE: To shorten the stop period of an information processor by providing a **second file**, which can be used instead of a **first file**, with **exchanging** a **file** name, which is stored in an index data file, separately from the **first file**.

CONSTITUTION: Separately from a **first file** 21 to be provided in a storage 20, for which it is difficult to remove a storing medium, a **second file** 22 is provided in the **same storage** 20. Then, while an information processor 10 is normally operated, a new software such as an



updating software, etc., is registered to the **second file** 22 and the **exchange** between the **file** name of the **first file** 21 in an index data file 23 and the file name of the **second file** 22 is executed. Accordingly, the registration processing of the new software to the storage, which needs a long time, can be executed while the information processor 10 is normally operated. Thus, the stop period of the information processor can be shortened.

15/5/17 (Item 2 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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013500021 \*\*Image available\*\*  
WPI Acc No: 2000-671962/200065  
XRPX Acc No: N00-498129

**File system data integrity in a single system image environment, involves performing filesync operation to cause server node to update information in file by including file change**

Patent Assignee: COMPAQ COMPUTER CORP (COPQ )  
Inventor: CHOW W W; WALKER B J; ZAFMAN D B  
Number of Countries: 001 Number of Patents: 001  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6122629	A	20000919	US 9870897	A	19980430	200065 B

Priority Applications (No Type Date): US 9870897 A 19980430

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 6122629	A		17	G06F-017/30	

Abstract (Basic): US 6122629 A

NOVELTY - The method involves performing filesync operation to cause a server node to update the information in a file by including file change after asynchronously forwarding file change from the client cache of the first client node to the server node.

DETAILED DESCRIPTION - The method begins by storing **copies** of information from the **file** in the client caches of the first and second client nodes, in which the information stored in the client caches can be access by the processes running on the **first** and **second** client nodes. A **file** change is executed to the information stored in the client cache of the **first** client node. The **file** change is then stored in the client cache of the first client node.

USE - For increasing file system data integrity in an environment where file system is shared by a group of computers.

ADVANTAGE - Increases availability of computer file systems. Provides configurable protection of data within caches during various forms of node failure within small scale integration (SSI) cluster. Provides two levels of data protection. Allows multiple cluster file system (CFS) client instances to simultaneously modify different parts of the **same file** . Prevents CFS from unnecessarily **switching** between operational modes in case **file** is closed and then quickly reopened. Avoids expense of initiating shared mode operation for a short time duration following process migration.

DESCRIPTION OF DRAWING(S) - The figure is a block diagram showing the interaction between the application processes and file system using the CFS.

pp; 17 DwgNo 2/13

Title Terms: FILE; SYSTEM; DATA; INTEGRITY; SINGLE; SYSTEM; IMAGE; ENVIRONMENT; PERFORMANCE; OPERATE; CAUSE; SERVE; NODE; UPDATE; INFORMATION; FILE; FILE; CHANGE

Derwent Class: T01

International Patent Class (Main): G06F-017/30

File Segment: EPI

15/5/21 (Item 6 from file: 350)  
DIALOG(R)File 350:Derwent WPIX

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011220980 \*\*Image available\*\*

WPI Acc No: 1997-198905/199718

XRPX Acc No: N97-164394

**File exchange method of communication system - by copying predetermined data in active file to predetermined position in new file.**

Patent Assignee: FUJITSU LTD (FUIT ); NIPPON TELEGRAPH & TELEPHONE CORP (NITE )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 9054690	A	19970225	JP 95205896	A	19950811	199718 B

Priority Applications (No Type Date): JP 95205896 A 19950811

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 9054690	A	11	G06F-009/06	

Abstract (Basic): JP 9054690 A

The **file exchange** method controls the efficiency of the main signal processing part according to an **active file** using a control part (21). Then the **secondary** memory (31) maintains the new **file**. The predetermined data in an **active file** is **copied** to a predetermined position in a new **file** in the implementation of the communication system. Then the new file after copying is loaded to the main memory (22). Then the implementation of the communication system is resumed by the new file after loading.

In another process, the predetermined data in an **active file** is **copied** in an empty area of the secondary memory or **main** memory. The new **file** of the secondary memory is loaded to the main memory after copying. Then the copied data is moved to the predetermined position in the new file. Then the implementation of the communication system is resumed by the new file. ADVANTAGE - Reduces cost. Satisfies conditions of implementation **file exchange**. Decreases processing time.

Dwg.1/13

Title Terms: FILE; EXCHANGE; METHOD; COMMUNICATE; SYSTEM; COPY;

PREDETERMINED; DATA; ACTIVE; FILE; PREDETERMINED; POSITION; NEW; FILE

Derwent Class: T01; W01

International Patent Class (Main): G06F-009/06

International Patent Class (Additional): G06F-011/20 ; G06F-012/00 ;

G06F-013/00 ; H04Q-003/545

File Segment: EPI

15/5/22 (Item 7 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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011173262 \*\*Image available\*\*

WPI Acc No: 1997-151187/199714

XRPX Acc No: N97-124999

**Disk volume duplication used during formatting of disk - involves controlling writing of same data in recording locations of first and second volumes and read-out of data from first and second volumes**

Patent Assignee: NEC CORP (NIDE )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 9026859	A	19970128	JP 95197024	A	19950710	199714 B

Priority Applications (No Type Date): JP 95197024 A 19950710

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 9026859	A	17	G06F-003/06	

Abstract (Basic): JP 9026859 A

The method uses a formatting control part (400) which controls the congruency between **first volume** (100) corresponding to poor track and **second volume** (200). Substitution track **switching** processing and defect skip processing are performed when data format pertains to CKD format. When the data is stored in the sector format the poor sector and the substitution sector switching processing is controlled.

A selection controller (46) controls the writing of **same** data in recording location of **first volume** and that of **second volume**. A ring signal selection controller (47) performs controlled read-out of data either from the **first** or **second volumes**.

ADVANTAGE - Avoids reduction performance due to search operation after **duplication** of **volume** during read-out operations. Improves reliability of data efficiently.

Dwg.1/12

Title Terms: DISC; VOLUME; DUPLICATE; FORMAT; DISC; CONTROL; WRITING; DATA;

RECORD; LOCATE; FIRST; SECOND; VOLUME; READ; DATA; FIRST; SECOND; VOLUME

Derwent Class: T01; T03

International Patent Class (Main): G06F-003/06

International Patent Class (Additional): G11B-020/12

File Segment: EPI

15/5/26 (Item 11 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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007790207 \*\*Image available\*\*

WPI Acc No: 1989-055319/198908

Related WPI Acc No: 1989-055318

XRPX Acc No: N89-042160

**Duplex-paired devices maintenance for data processor - uses states information which allows only changed records to be copied to secondary device of dual copy**

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Number of Countries: 006 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 303856	A	19890222	EP 88112033	A	19880724	198908 B
US 5051887	A	19910924	US 90614983	A	19901119	199141
EP 303856	B1	19950405	EP 88112033	A	19880726	199518
SG 9401502	A	19950317	SG 941502	A	19941017	199522
DE 3853503	G	19950511	DE 3853503	A	19880726	199524
			EP 88112033	A	19880726	

Priority Applications (No Type Date): US 8787331 A 19870820; US 8789151 A 19870825

Cited Patents: 2.Jnl.Ref; A3...9037; EP 156179; No-SR.Pub; US 4207609; US 4686620

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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EP 303856	A	E	17		
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Designated States (Regional): DE FR GB IT

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SG 9401502	A				Previous Publ. patent EP 303855
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DE 3853503	G			G06F-011/20	Based on patent EP 303856
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Abstract (Basic): EP 303856 A

The system assigns a predetermined number of bits for each of the records to identify changes to the record. A cell number is stored comprising the predetermined number of bits for each of the records from the **first data storage** device on a stack. The stack is checked to identify a set of records which changed. The set of records which have changed are written to the **second data storage** device. The response to any data storage device failures comprises replacing a failing data storage device with a functioning one of the data storage

devices. The is updated in the joint array structure with information identifying the functioning data storage device as the replacement for the failed data storage device.

An initial memory load of a data storage device is prevented from successfully completing unless the controller identification number and the device identification number in the status table of the controller match the device and controller identification numbers on the device status track of the data storage device.

Dwg.2/5

Title Terms: DUPLEX; PAIR; DEVICE; MAINTAIN; DATA; PROCESSOR; STATE; INFORMATION; ALLOW; CHANGE; RECORD; COPY; SECONDARY; DEVICE; DUAL; COPY

Derwent Class: T01

International Patent Class (Main): G06F-011/20

International Patent Class (Additional): G06F-011/14 ; G06F-011/16 ;

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File Segment: EPI